

SIRIUS 17 FED COM 7

9/8/2024

OCD INCIDENT nAPP2425352986

Spill Volume(Bbls) Calculator		
<i>Inputs in blue, Outputs in red</i>		
<i>Contaminated Soil measurement</i>		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>25</u>	<u>25.000</u>	<u>0.250</u>
Cubic Feet of Soil Impacted		<u>156.250</u>
Barrels of Soil Impacted		<u>27.85</u>
Soil Type		Clay/Sand
Barrels of Oil Assuming 100% Saturation		<u>4.18</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels of water Released		<u>4.18</u>
<i>Free Standing Fluid Only</i>		
Length(Ft)	Width(Ft)	Depth(Ft)
<u>10</u>	<u>5.000</u>	<u>0.125</u>
Standing fluid		<u>1.112</u>
<u>Total fluids spilled</u>		<u>5.289</u>



SIRIUS 17 FEDERAL COM #7H

Incident ID nAPP2425352986

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR:
DEVON ENERGY PRODUCTION CO, LP

Remediation Work Plan

September 23, 2024

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

Bureau of Land Management
620 E Green St.
Carlsbad, NM 88220

Re: Site Characteristic and Remediation Plan Report
Sirius 17 Federal Com #7H
API # 30-015-41762
NMOCD Incident ID nAPP2425352986
ULSTR – L – 17 – 19S – 31E 2080 FSL 70 FWL Eddy County, NM
GPS Coordinates: Latitude 32.6588783 Longitude -103.8998795

This produced water release was discovered by the operator on September 8, 2024. The initial notification of release was submitted and approved on September 9, 2024 (OCD Online: Permitting – Application ID 381860). The initial C-141 form was submitted and approved on September 10, 2024 (OCD Online: Permitting – Application ID 382075). This incident was assigned Incident ID nAPP2425352986 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Sirius 17 Federal Com #7H (Sirius) is located approximately twelve (12) miles southeast of Loco Hills, NM. This release area is in Unit L, Section 17, Township 19S, Range 31E, Latitude 32.6588783 Longitude -103.8998795, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area is Eolian and piedmont deposits. Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits (Appendix B). The soil in this area is made up of Berino loamy fine sand, 0 to 3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey. The drainage class in this area is well drained (Appendix B). There is a medium potential for karst geology to be present around the Sirius (Figure 3). Reference Figure 2 for a Topographic Map.

Based on the well water data from the New Mexico Office of the State Engineer, the depth to the nearest groundwater in this vicinity measures greater than 55 feet below grade surface (bgs). This information is based on OSE CP-01907-POD1 which was drilled July 13, 2022, and is located approximately 0.47 miles north of this release area. Conversely, as per the United States Geological Survey well water data the nearest groundwater depth in this region is recorded at 23 feet bgs, from well USGS 323810103554201 19S.30E.25.12133 with the last gauge being conducted in 1995. This well is situated approximately 2.37 miles southwest of the Sirius release area. For detailed references to Water Surveys and Water-Related Maps, please refer to Appendix A. The closure criteria for this area will be classified under the 51-100-foot depth to groundwater section of Table 1 19.15.29.12 NMAC due to CP-01907-POD1.

Release Information

nAPP2425352986: On September 8, 2024, 1" nipple on wellhead pumping tee developed a pinhole and caused a 5.3 bbls produced water spill. 4 bbls recovered.

Site Assessment and Delineation Activities

On September 12, 2024, Pima Environmental mobilized personnel to the site to collect soil samples from within and around the edges of the release area for vertical and horizontal delineation. Sixty (60) discrete samples were collected from 15 different sample points within the release area for vertical delineation. These samples were collected from depth intervals of surface, 1', 2', and 4' bgs. Eight (8) composite samples were collected from the edges of the release area for the purpose of horizontal delineation. These composite samples consisted of discrete subsamples collected from depths of surface, 1', 2', 3', and 4' bgs from each sample point. Two (2) samples were collected from 2 different points in the pasture to serve as background samples.

A total of seventy (70) samples were put on ice, jarred, and delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

All sample results can be found in the Data Table in Figure 5. A corresponding Site Map can be found in Figure 4. Complete laboratory reports can be found in Appendix E. Photographic Documentation can be referenced in Appendix D.

Proposed Remediation Activities

On behalf of Devon, Pima proposes the following method for the remediation of this release area:

- Submit a one-call through the NM811 system.
- The estimated total volume of soil to be remediated is approximately 264 cubic yards from the 6,997 square foot area around the wellheads on the engineered pad.
- We propose to excavate a 6,707 square foot area to a depth of 1' bgs, or until sample results are verified to be under the regulatory limits as per the 51-100-foot depth to groundwater requirement in Table 1 19.15.29.12 NMAC.
- We propose to excavate the remaining 290 square foot area to a depth of 1.5' bgs, or until sample results are verified to be under the regulatory limits as per the 51-100-foot depth to groundwater requirement in Table 1 19.15.29.12 NMAC.
- The contaminated soil will be disposed of at an NMOCD-approved disposal facility. Then clean, like material will be brought to the location to be used for backfilling. A Proposed Excavation Map can be found in Figure 6.
- A 48-hour sampling notification will be issued to NMOCD for confirmation sampling of the areas.
- Confirmation samples will be composite samples representing no more than 200 square feet from the base and walls of the excavated area.
- Once all sample results confirm the contamination has been removed from each area, a remediation closure report will be drafted and submitted to the NMOCD Portal for review/approval.

Devon has complied with the applicable requirements set forth in 19.15.19.12 NMAC and requests that this remediation work plan for incident ID nAPP2425352986 be approved.

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

Devon Energy Production – Dale Woodall at 575-748-1838 or Dale.Woodall@devon.com.

Pima Environmental Services – Tom Bynum at 580-748-1613 or tom@pimaoil.com.

Attachments

Figures:

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

Appendices:

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

Figures:

Location Map

Topographic Map

Karst Map

Site Map

Data Table

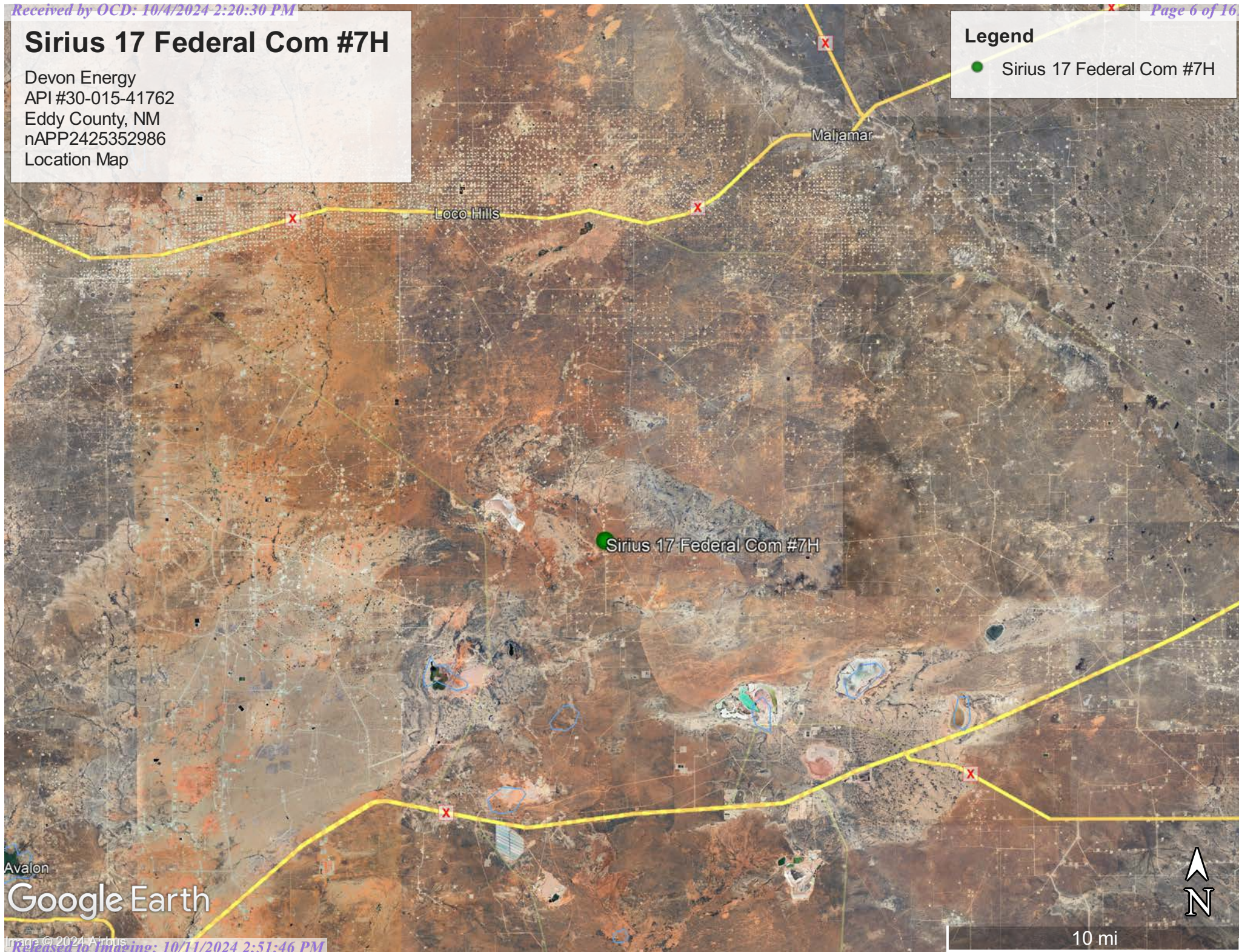
Proposed Excavation Map

Sirius 17 Federal Com #7H

Devon Energy
API #30-015-41762
Eddy County, NM
nAPP2425352986
Location Map

Legend

● Sirius 17 Federal Com #7H



Avalon

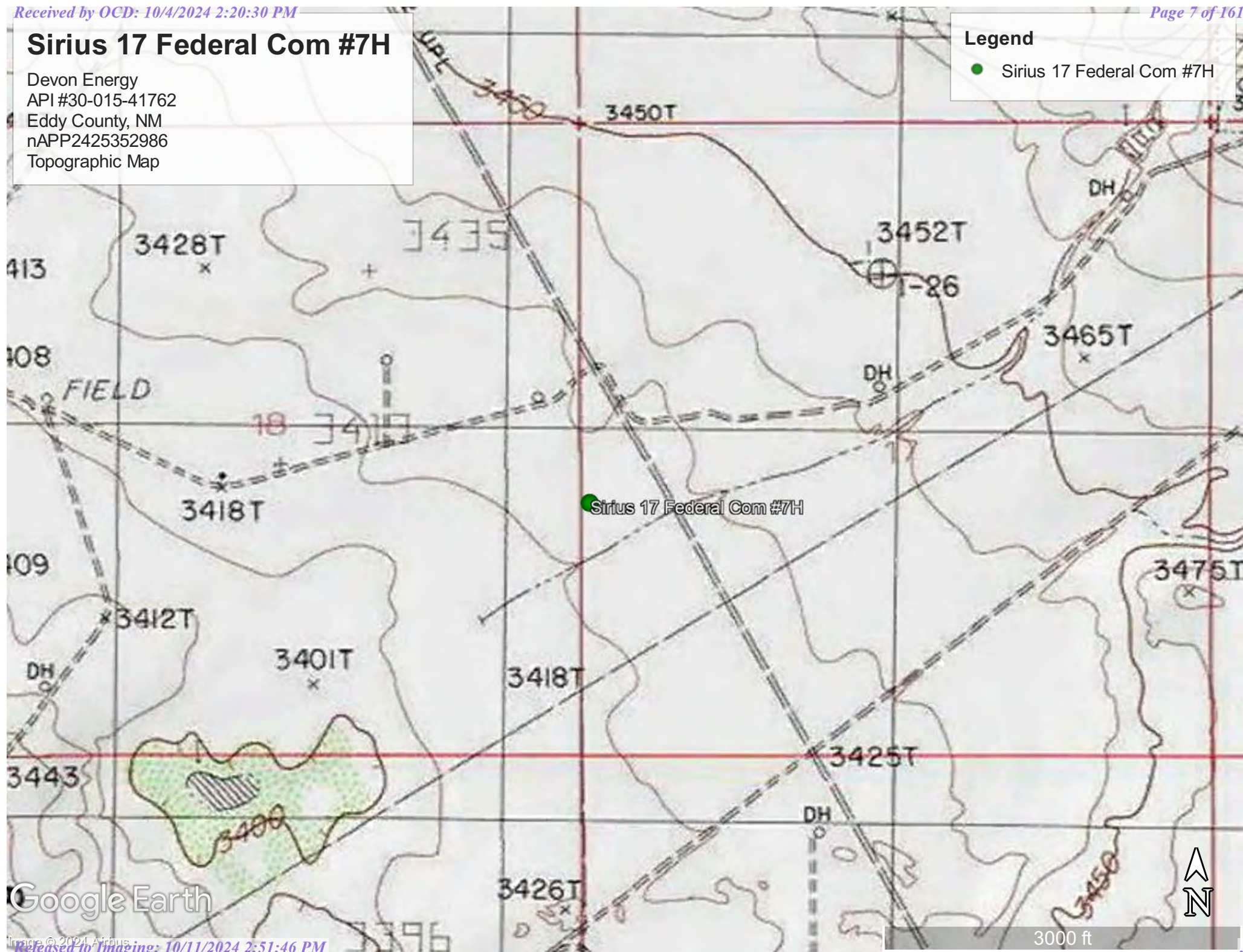
Google Earth

Sirius 17 Federal Com #7H

Devon Energy
API #30-015-41762
Eddy County, NM
nAPP2425352986
Topographic Map

Legend




● Sirius 17 Federal Com #7H



Sirius 17 Federal Com #7H

Devon Energy
API #30-015-41762
Eddy County, NM
nAPP2425352986
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst

Sirius 17 Federal Com #7H

Google Earth

Image © 2024 Airbus

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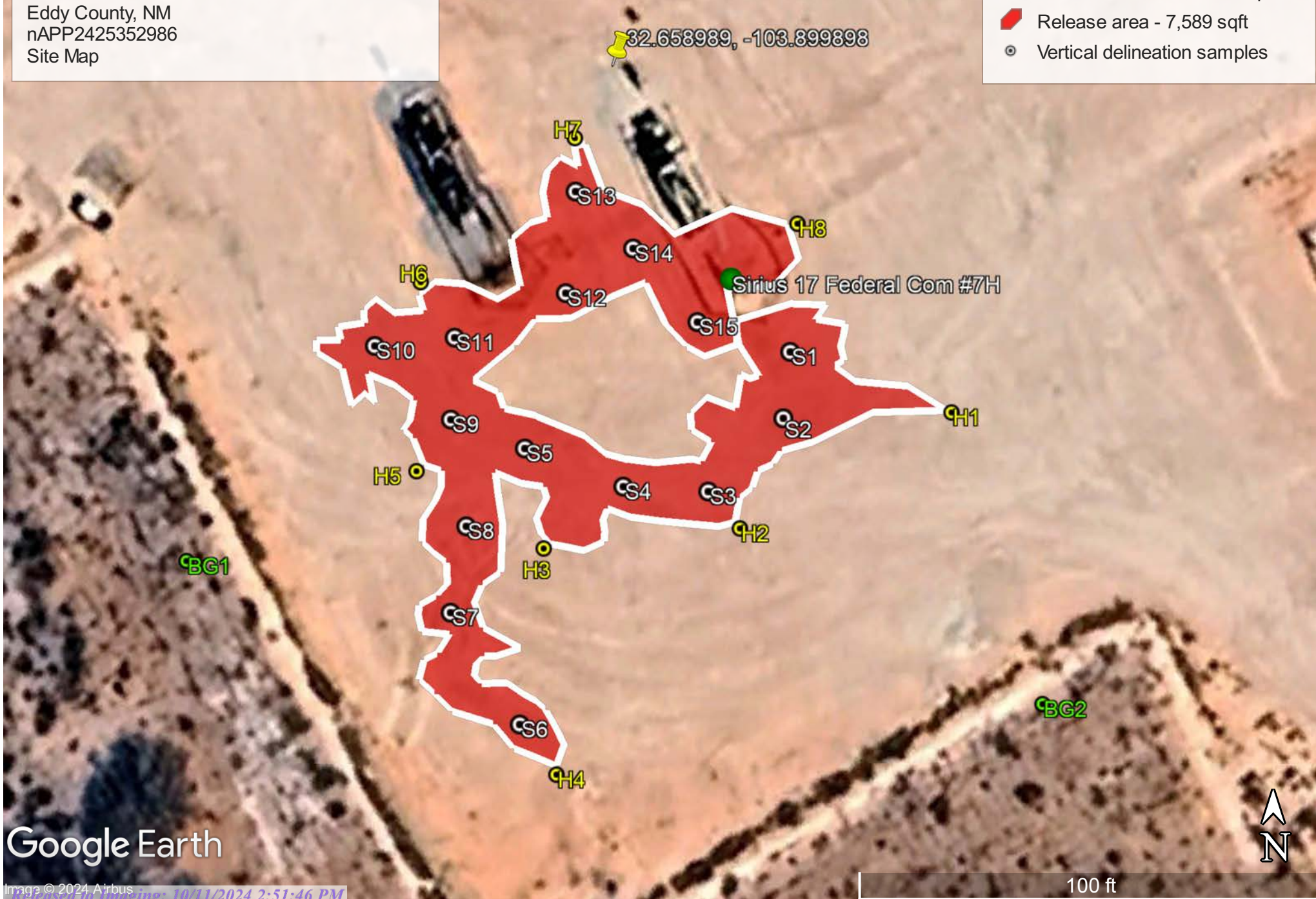
3000 ft

Sirius 17 Federal Com #7H

Devon Energy
API #30-015-41762
Eddy County, NM
nAPP2425352986
Site Map

Legend

- Background samples
- Horizontal delineation samples
- Release area - 7,589 sqft
- Vertical delineation samples



NMOC D T-10-1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY - Sirius 17 Federal Com #7H - nAPP2425352986								
Date: 9/12/24		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-Surface	6"	ND	ND	ND	6420	1800	8220	16200
S1-1'	1'	ND	ND	ND	1710	525	2235	7490
S1-2'	2'	ND	ND	ND	ND	ND	0	56.2
S1-4'	4'	ND	ND	ND	ND	ND	0	46.3
S2-Surface	6"	ND	ND	ND	7850	2060	9910	17500
S2-1'	1'	ND	ND	ND	ND	ND	0	65.2
S2-2'	2'	ND	ND	ND	30.4	ND	30.4	89.1
S2-4'	4'	ND	ND	ND	ND	ND	0	89.6
S3-Surface	6"	ND	ND	ND	9560	2590	12150	19000
S3-1'	1'	ND	ND	ND	ND	ND	0	176
S3-2'	2'	ND	ND	ND	ND	ND	0	778
S3-4'	4'	ND	ND	ND	ND	ND	0	68.7
S4-Surface	6"	ND	ND	ND	6720	1890	8610	16900
S4-1'	1'	ND	ND	ND	ND	ND	0	4010
S4-2'	2'	ND	ND	ND	ND	ND	0	1250
S4-4'	4'	ND	ND	ND	ND	ND	0	84.7
S5-Surface	6"	ND	ND	ND	7260	2260	9520	18300
S5-1'	1'	ND	ND	ND	ND	ND	0	3930
S5-2'	2'	ND	ND	ND	ND	ND	0	1400
S5-4'	4'	ND	ND	ND	ND	ND	0	ND
S6-Surface	6"	ND	ND	ND	3690	1840	5530	7630
S6-1'	1'	ND	ND	ND	ND	69.3	69.3	3840
S6-2'	2'	0.0746	ND	ND	ND	ND	0	1630
S6-4'	4'	ND	ND	ND	ND	ND	0	21.6
S7-Surface	6"	ND	ND	ND	2590	1300	3890	7520
S7-1'	1'	ND	ND	ND	ND	ND	0	4110
S7-2'	2'	ND	ND	ND	ND	ND	0	241
S7-4'	4'	ND	ND	ND	ND	ND	0	ND
S8-Surface	6"	ND	ND	ND	2240	1090	3330	7640
S8-1'	1'	ND	ND	ND	ND	ND	0	3140
S8-2'	2'	ND	ND	ND	ND	ND	0	1670
S8-4'	4'	ND	ND	ND	ND	ND	0	27
S9-Surface	6"	ND	ND	ND	4940	2800	7740	8570
S9-1'	1'	ND	ND	ND	ND	ND	0	ND
S9-2'	2'	ND	ND	ND	ND	ND	0	36
S9-4'	4'	ND	ND	ND	ND	ND	0	47.1
S10-Surface	6"	ND	ND	ND	3970	1870	5840	6800
S10-1'	1'	ND	ND	ND	ND	57	57	51.2
S10-2'	2'	0.0341	ND	ND	ND	ND	0	32.3
S10-4'	4'	ND	ND	ND	ND	ND	0	43.1
S11-Surface	6"	ND	ND	ND	1990	612	2602	9980
S11-1'	1'	ND	ND	ND	ND	ND	0	ND
S11-2'	2'	ND	ND	ND	ND	ND	0	39.3
S11-4'	4'	ND	ND	ND	ND	ND	0	78.6

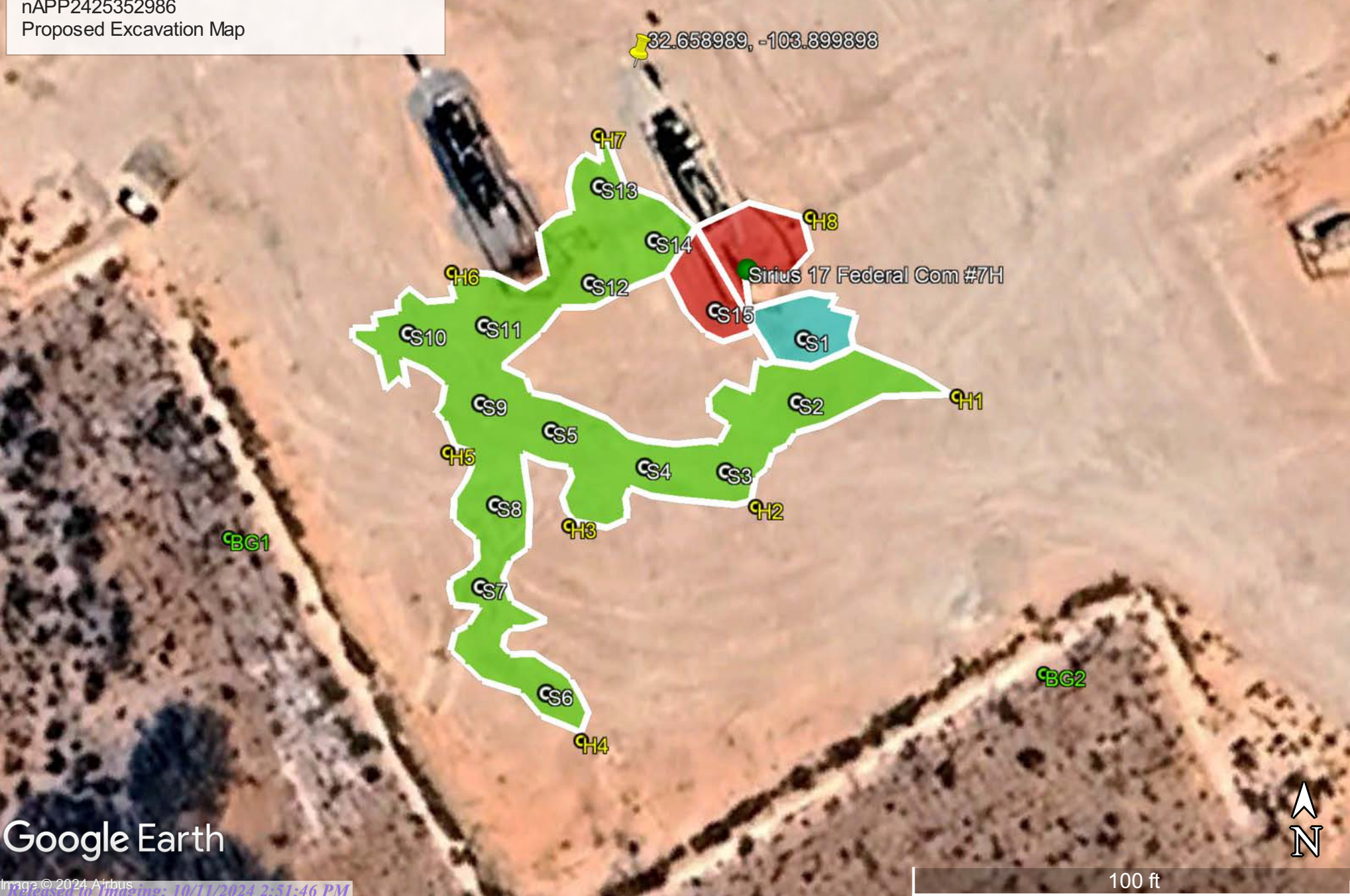
Sample ID	Depth (BGS)	TEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
S12-Surface	6"	ND	ND	ND	2830	1250	4080	8680
S12-1'	1'	ND	ND	ND	ND	ND	0	29.9
S12-2'	2'	ND	ND	ND	ND	ND	0	28.4
S12-4'	4'	ND	ND	ND	ND	ND	0	20.2
S13-Surface	6"	ND	ND	ND	3430	1700	5130	8440
S13-1'	1'	ND	ND	ND	ND	ND	0	ND
S13-2'	2'	ND	ND	ND	ND	ND	0	28.1
S13-4'	4'	ND	ND	ND	ND	ND	0	27
S14-Surface	6"	ND	ND	ND	3850	1820	5670	11100
S14-1'	1'	ND	ND	ND	ND	ND	0	ND
S14-2'	2'	ND	ND	ND	ND	ND	0	34.5
S14-4'	4'	ND	ND	ND	ND	ND	0	ND
S15-Surface	6"	ND	ND	ND	ND	ND	0	692
S15-1'	1'	ND	ND	ND	ND	ND	0	206
S15-2'	2'	ND	ND	ND	ND	ND	0	213
S15-4'	4'	ND	ND	ND	ND	ND	0	ND
H1-Comp	0-4'	ND	ND	ND	ND	ND	0	ND
H2-Comp	0-4'	ND	ND	ND	ND	ND	0	ND
H3-Comp	0-4'	ND	ND	ND	ND	ND	0	ND
H4-Comp	0-4'	ND	ND	ND	ND	ND	0	ND
H5-Comp	0-4'	ND	ND	ND	ND	ND	0	ND
H6-Comp	0-4'	ND	ND	ND	ND	ND	0	ND
H7-Comp	0-4'	ND	ND	ND	ND	ND	0	ND
H8-Comp	0-4'	ND	ND	ND	ND	ND	0	ND
BG1-1'	1'	ND	ND	ND	ND	ND	0	ND
BG2-1'	1'	ND	ND	ND	ND	ND	0	ND

Sirius 17 Federal Com #7H

Devon Energy
API #30-015-41762
Eddy County, NM
nAPP2425352986
Proposed Excavation Map

Legend

- 1' Excavation - 6,707 sqft
- 1.5' Excavation - 290 sqft



Appendix A

Water Surveys

Water Related Maps



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are smallest to largest)

(meters)

(In feet)

POD Number	Code	Sub basin	County	Q64	Q16	Q4	Sec	Tws	Range	X	Y	Map	Distance	Well Depth	Depth Water	Water Column
CP 01907 POD1		CP	ED	SE	NE	NE	18	19S	31E	603017.2	3614737.1		746			
CP 01943 POD1		CP	ED	NW	SW	NW	20	19S	31E	603217.4	3612883.9		1122	55		
CP 01985 POD1		CP	ED	NE	SE	NE	17	19S	31E	604666.5	3614438.3		1561	55		
CP 01941 POD1		CP	ED	SW	NE	NE	29	19S	31E	604524.2	3611512.8		2838	55	54	1
CP 00357 POD1		CP	ED	SE	SE	NW	24	19S	30E	600667.0	3612631.0 *		2851	630		

Average Depth to Water: 54 feet

Minimum Depth: 54 feet

Maximum Depth: 54 feet

Record Count: 5

Basin/County Search:

County: ED

UTM Filters (in meters):

Easting: 603165.85

Northing: 3614005.10

Radius: 03000

* UTM location was derived from PLSS - see Help

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



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

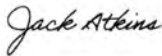
www.ose.state.nm.us

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD 1 (TW-1)		WELL TAG ID NO. N/A		OSE FILE NO(S). CP-1907			
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-748-1838			
	WELL OWNER MAILING ADDRESS 6488 7 Rivers Hwy				CITY Artesia	STATE NM	ZIP 88210	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 39	SECONDS 55.76 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
		LONGITUDE 103	54	4.95 W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE NE Sec.18 T19S R31S NMPM								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1249		NAME OF LICENSED DRILLER Jackie D. Atkins			NAME OF WELL DRILLING COMPANY Atkins Engineering Associates, Inc.		
	DRILLING STARTED 7/13/2022		DRILLING ENDED 7/13/2022		DEPTH OF COMPLETED WELL (FT) Temporary Well	BORE HOLE DEPTH (FT) ±55	DEPTH WATER FIRST ENCOUNTERED (FT) N/A	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) N/A	DATE STATIC MEASURED 7/13/2022, 7/1/2022	
	DRILLING FLUID: <input type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input checked="" type="checkbox"/> OTHER - SPECIFY: Hollow Stem Auger					CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	55	±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 01/28/2022)

FILE NO.	CP-1907-POD1 TW-1	POD NO.	1	TRN NO.	726167
LOCATION	19.31.18.422	WELL TAG ID NO.		PAGE 1 OF 2	

	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
	FROM	TO				
4. HYDROGEOLOGIC LOG OF WELL	0	29	29	Sand, Medium/ Fine grained, poorly graded, Light brown	Y ✓ N	
	29	44	15	Sand, Medium/ Fine grained, poorly graded, with caliche Light brown / white	Y ✓ N	
	44	55	11	Sand, Medium/ Fine grained, poorly graded, Light brown	Y ✓ N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
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					Y N	
					Y N	
					Y N	
					Y N	
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm):
5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
	MISCELLANEOUS INFORMATION: Temporary well material removed and soil boring backfilled using drill cuttings from total depth to ten feet below ground surface(bgs), then hydrated bentonite chips ten feet bgs to surface. <div style="text-align: right;">OSC 371 400 JUL 2022 PQ LL</div>					
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Shane Eldridge, Cameron Pruitt					
6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING: <div style="display: flex; justify-content: space-between; align-items: center;"><div> SIGNATURE OF DRILLER / PRINT SIGNEE NAME</div><div>Jackie D. Atkins DATE</div><div>8/4/2022</div></div>					

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO.	CP-1907-P001 TW-1	POD NO.	1
LOCATION	19.31.18.422	TRN NO.	726167
		WELL TAG ID NO.	
		PAGE 2 OF 2	

OSE POD Location Map



9/10/2024, 11:16:11 AM

GIS WATERS PODs

- Active
- Plugged
- Pending

OSE District Boundary

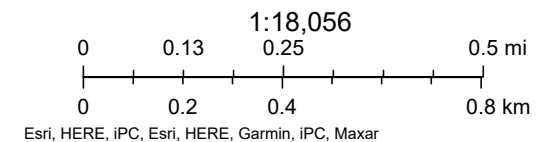
New Mexico State Trust Lands

Both Estates

NHD Flowlines

Artificial Path

- Connector
- Stream River





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

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 323810103554201

Minimum number of levels = 1

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

USGS 323810103554201 19S.30E.25.12133

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°38'10", Longitude 103°55'42" NAD27

Land-surface elevation 3,248 feet above NAVD88

The depth of the well is 42 feet below land surface.

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

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

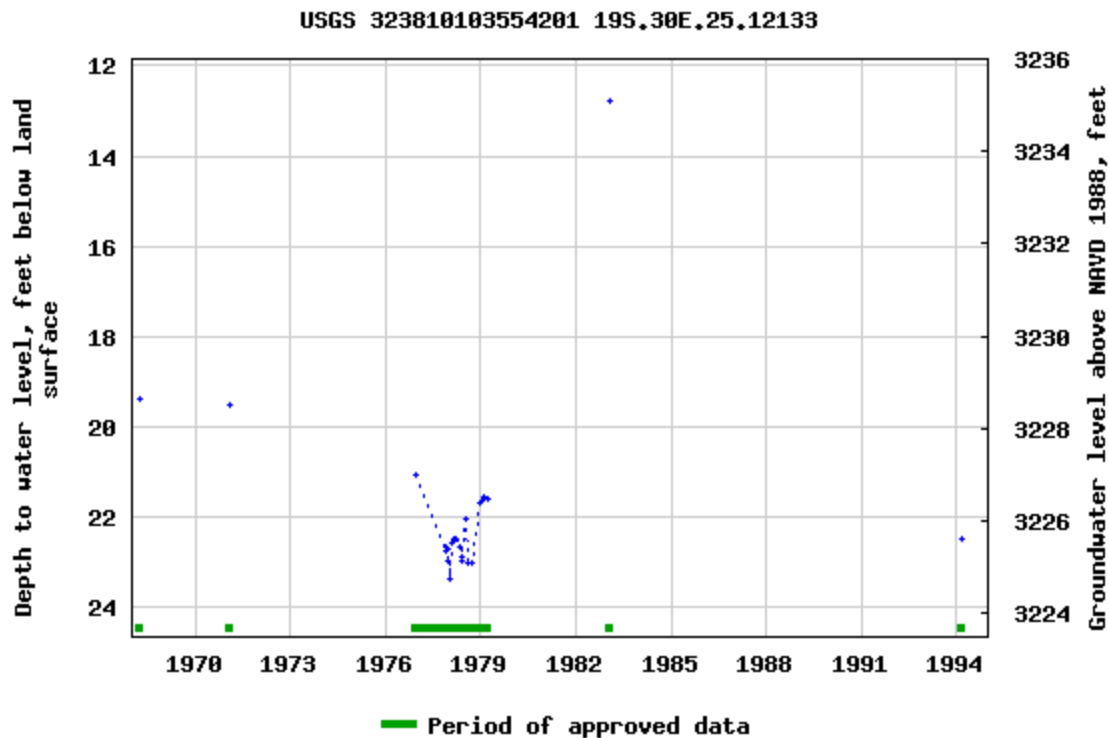
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

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Title: Groundwater for USA: Water Levels

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

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

Page Last Modified: 2024-09-10 12:21:40 EDT

0.65 0.47 nadww02







National Water Information System: Mapper



Sirius 17 Federal Com #7H

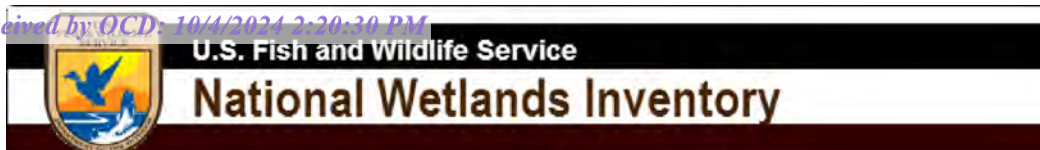
Devon Energy
API #30-015-41762
Eddy County, NM
nAPP2425352986
Surface Water Map

Legend

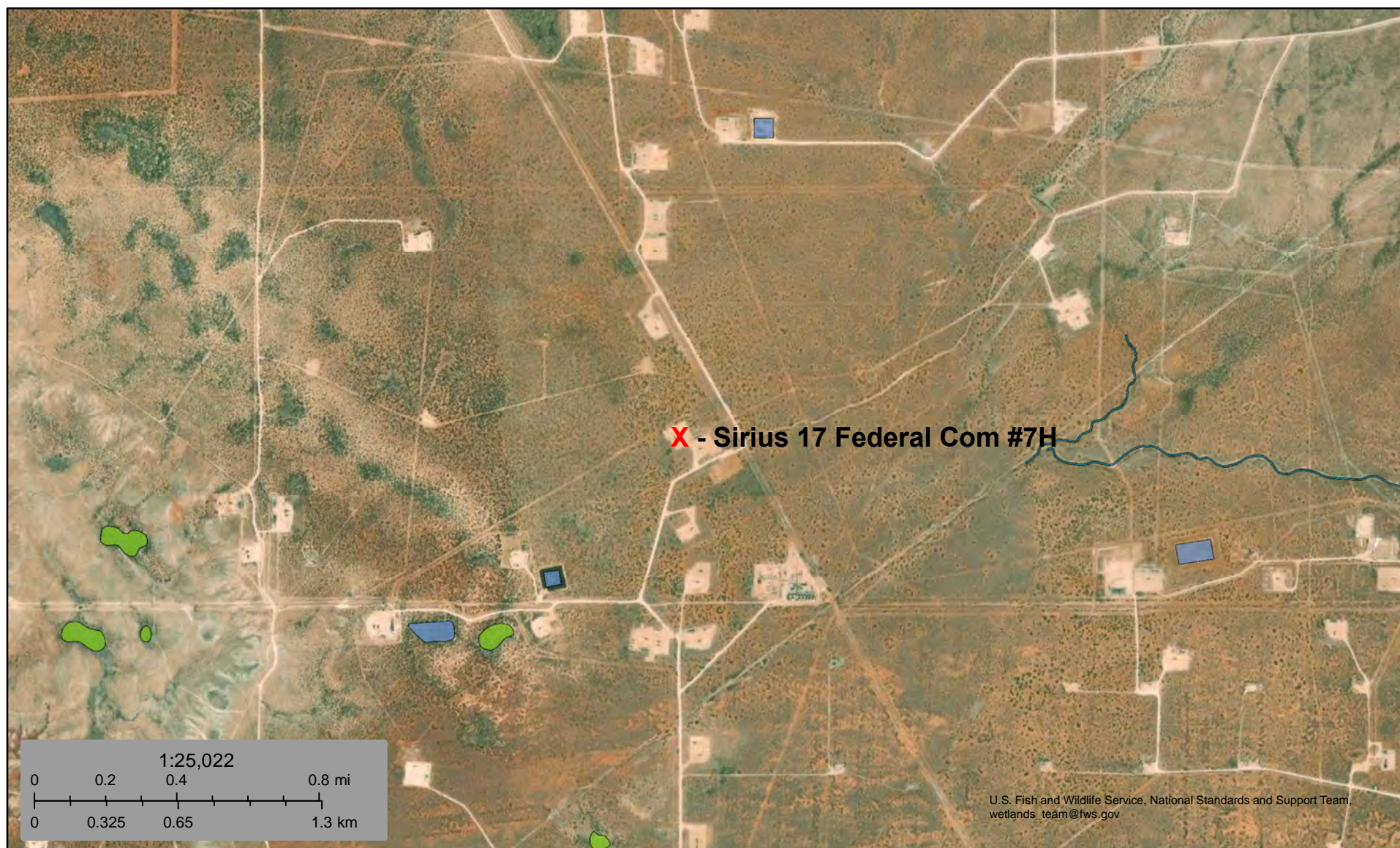
-  2.31 Miles
-  Hackberry Lake



Google Earth



Wetlands Map



September 21, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

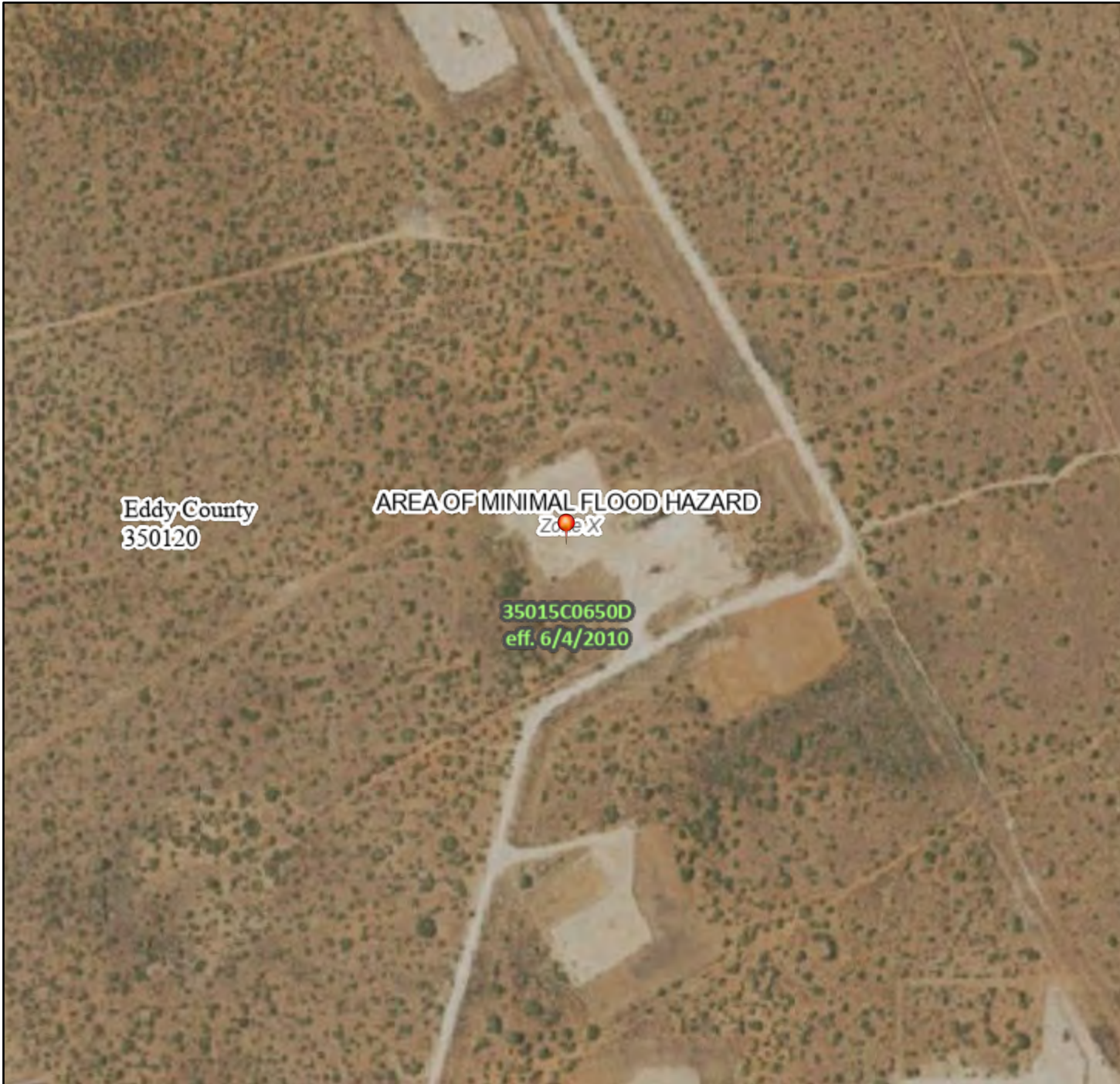
- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMMette



103°54'18"W 32°39'47"N



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

1:6,000

103°53'41"W 32°39'16"N

Released to Imaging: 10/11/2024 2:51:46 PM

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 Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/10/2024 at 12:34 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.

Appendix B

Soil Survey

Soil Map

Geologic Unit Map

Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

Eddy Area, New Mexico

BA—Berino loamy fine sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w42

Elevation: 2,000 to 5,700 feet

Mean annual precipitation: 6 to 14 inches

Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 180 to 260 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 99 percent

Minor components: 1 percent

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

Description of Berino

Setting

Landform: Plains, fan piedmonts

Landform position (three-dimensional): Riser

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Mixed alluvium and/or eolian sands

Typical profile

H1 - 0 to 12 inches: loamy fine sand

H2 - 12 to 58 inches: sandy clay loam

H3 - 58 to 60 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 (0.60 to 2.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Very slightly saline to slightly saline (2.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 7e

Map Unit Description: Berino loamy fine sand, 0 to 3 percent slopes---Eddy Area, New Mexico

Hydrologic Soil Group: B
Ecological site: R070BC007NM - Loamy
Hydric soil rating: No

Minor Components

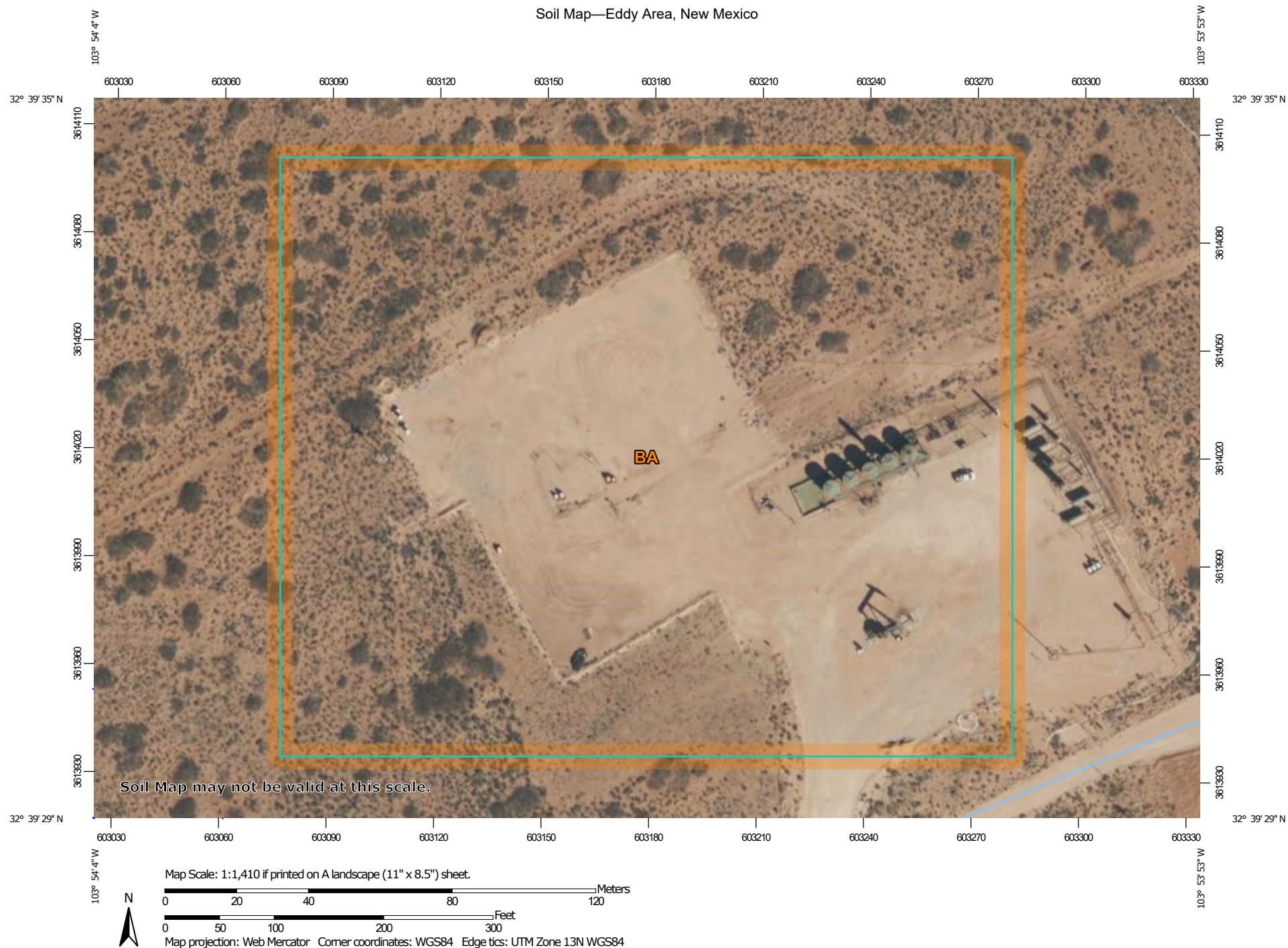
Pajarito

Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

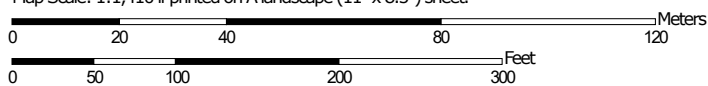
Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 19, Sep 7, 2023

Soil Map—Eddy Area, New Mexico



Soil Map may not be valid at this scale.

Map Scale: 1:1,410 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

9/10/2024
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

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

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

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




Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BA	Berino loamy fine sand, 0 to 3 percent slopes	8.4	100.0%
Totals for Area of Interest		8.4	100.0%

Sirius 17 Federal Com #7H

Devon Energy
API #30-015-41762
Eddy County, NM
nAPP2425352986
Geologic Unit Map

Legend

-  Eolian and piedmont deposits
-  Piedmont alluvial deposits
-  Quartermaster and Rustler Formations

Sirius 17 Federal Com #7H

Google Earth



4000 ft

Appendix C

48-Hour Notification

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 382060

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 382060
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425352986
Incident Name	NAPP2425352986 SIRIUS 17 FEDERAL COM #007H @ 30-015-41762
Incident Type	Produced Water Release
Incident Status	Notification Accepted
Incident Well	[30-015-41762] SIRIUS 17 FEDERAL COM #007H

Location of Release Source	
Site Name	SIRIUS 17 FEDERAL COM #007H
Date Release Discovered	09/08/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	6,551
What is the estimated number of samples that will be gathered	85
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2024
Time sampling will commence	07:00 AM
Please provide any information necessary for observers to contact samplers	Maris Loya (575) 416-0639
Please provide any information necessary for navigation to sampling site	From the intersection of Shugart Road and Lusk Plant Road in Eddy county, travel south/southwest on Shugart Rd for 4.4 miles, turn north on lease road for 2 miles, turn northwest for 690 feet, curve north for 1,460 feet, curve northeast for 350 feet, turn north into location, wellheads are located west of tank battery.

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

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

CONDITIONS

Action 382060

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 382060
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

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

Appendix D

Photographic Documentation

Devon Energy Production, LP
Photographic Documentation
Sirius 17 Federal Com #7H – nAPP2425352986



Sign



Release area between pump jacks



Release area SE



Release area Aerial 1

Devon Energy Production, LP
Photographic Documentation
Sirius 17 Federal Com #7H – nAPP2425352986



Release area Aerial 2



Release area Aerial 3



Release area Aerial 4

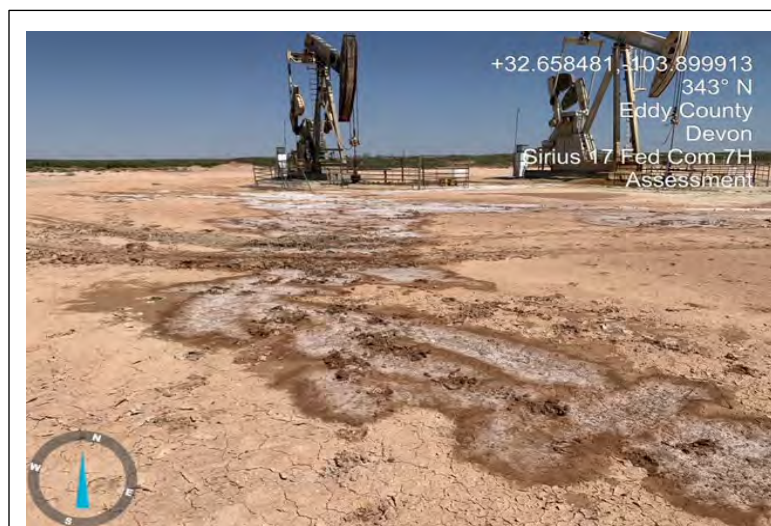


Assessment 1

Devon Energy Production, LP
Photographic Documentation
Sirius 17 Federal Com #7H – nAPP2425352986



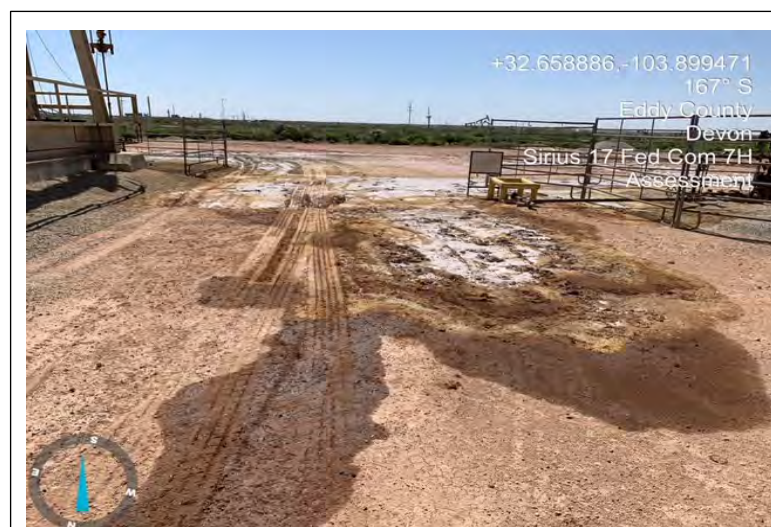
Assessment 2



Assessment 3



Assessment 4



Assessment 5

Devon Energy Production, LP
Photographic Documentation
Sirius 17 Federal Com #7H – nAPP2425352986



Assessment 6



Assessment 7



Assessment 8



Assessment 9

Devon Energy Production, LP
Photographic Documentation
Sirius 17 Federal Com #7H – nAPP2425352986



Assessment 10

Appendix E

Laboratory Report

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Sirius 17 Federal Com #7H

Work Order: E409111

Job Number: 01058-0007

Received: 9/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/20/24

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: 9/20/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Sirius 17 Federal Com #7H
Workorder: E409111
Date Received: 9/16/2024 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2024 7:30:00AM, under the Project Name: Sirius 17 Federal Com #7H.

The analytical test results summarized in this report with the Project Name: Sirius 17 Federal Com #7H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Field Offices:

Southern New Mexico Area

Lynn Jarboe
Laboratory Technical Representative
Office: 505-421-LABS(5227)
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Client Representative
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Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/20/24 14:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - Surface	E409111-01A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S1 - 1'	E409111-02A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S1 - 2'	E409111-03A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S1 - 4'	E409111-04A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S2 - Surface	E409111-05A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S2 - 1'	E409111-06A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S2 - 2'	E409111-07A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S2 - 4'	E409111-08A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S3 - Surface	E409111-09A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S3 - 1'	E409111-10A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S3 - 2'	E409111-11A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S3 - 4'	E409111-12A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S4 - Surface	E409111-13A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S4 - 1'	E409111-14A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S4 - 2'	E409111-15A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S4 - 4'	E409111-16A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S5 - Surface	E409111-17A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S5 - 1'	E409111-18A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S5 - 2'	E409111-19A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S5 - 4'	E409111-20A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S1 - Surface

E409111-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		109 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		109 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	6420	50.0	2	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	1800	100	2	09/14/24	09/18/24	
Surrogate: n-Nonane		97.1 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	16200	200	10	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S1 - 1'

E409111-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		110 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		110 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		91.0 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	1710	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	525	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		93.5 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	7490	200	10	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S1 - 2'

E409111-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		107 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		107 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		87.7 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	56.2	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S1 - 4'

E409111-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		109 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		109 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		95.7 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	46.3	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S2 - Surface

E409111-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		108 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		108 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	7850	125	5	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	2060	250	5	09/14/24	09/18/24	
Surrogate: n-Nonane		96.1 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	17500	200	10	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S2 - 1'

E409111-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		106 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		89.8 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		106 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		90.2 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	65.2	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S2 - 2'

E409111-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		105 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		105 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	30.4	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		90.6 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	89.1	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S2 - 4'

E409111-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		90.9 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	89.6	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S3 - Surface

E409111-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		109 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		106 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		109 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		106 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	9560	250	10	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	2590	500	10	09/14/24	09/19/24	
Surrogate: n-Nonane		102 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	19000	200	10	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/20/2024 2:28:32PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S3 - 1'

E409111-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2438003	
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene	108 %	70-130		09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4	91.9 %	70-130		09/19/24	09/20/24	
Surrogate: Toluene-d8	106 %	70-130		09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2438003	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene	108 %	70-130		09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4	91.9 %	70-130		09/19/24	09/20/24	
Surrogate: Toluene-d8	106 %	70-130		09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2437114	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane	92.6 %	50-200		09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2438013	
Chloride	176	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S3 - 2'

E409111-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		107 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		107 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		90.1 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	778	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S3 - 4'

E409111-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		108 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		108 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		91.7 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		92.4 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	68.7	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S4 - Surface

E409111-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		107 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		92.7 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		107 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	6720	125	5	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	1890	250	5	09/14/24	09/19/24	
Surrogate: n-Nonane		98.8 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	16900	200	10	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S4 - 1'

E409111-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		108 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		104 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		108 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		104 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		93.2 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	4010	40.0	2	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S4 - 2'

E409111-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		109 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		105 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		109 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		105 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		94.4 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	1250	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S4 - 4'

E409111-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/19/24	
Toluene	ND	0.0250	1	09/19/24	09/19/24	
o-Xylene	ND	0.0250	1	09/19/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/19/24	
Surrogate: Bromofluorobenzene		108 %	70-130	09/19/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	09/19/24	09/19/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/19/24	
Surrogate: Bromofluorobenzene		108 %	70-130	09/19/24	09/19/24	
Surrogate: 1,2-Dichloroethane-d4		90.2 %	70-130	09/19/24	09/19/24	
Surrogate: Toluene-d8		108 %	70-130	09/19/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		97.4 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	84.7	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S5 - Surface

E409111-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		107 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		107 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	7260	125	5	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	2260	250	5	09/14/24	09/19/24	
Surrogate: n-Nonane		104 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	18300	200	10	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S5 - 1'

E409111-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		106 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		93.9 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		106 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		93.1 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	3930	40.0	2	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S5 - 2'

E409111-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		108 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		106 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		108 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		97.2 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		106 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		91.3 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	1400	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/20/2024 2:28:32PM

S5 - 4'

E409111-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Benzene	ND	0.0250	1	09/19/24	09/20/24	
Ethylbenzene	ND	0.0250	1	09/19/24	09/20/24	
Toluene	ND	0.0250	1	09/19/24	09/20/24	
o-Xylene	ND	0.0250	1	09/19/24	09/20/24	
p,m-Xylene	ND	0.0500	1	09/19/24	09/20/24	
Total Xylenes	ND	0.0250	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		107 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438003
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/19/24	09/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	09/19/24	09/20/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	09/19/24	09/20/24	
Surrogate: Toluene-d8		107 %	70-130	09/19/24	09/20/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437114
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/19/24	
Surrogate: n-Nonane		94.7 %	50-200	09/14/24	09/19/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2438013
Chloride	ND	20.0	1	09/16/24	09/16/24	



Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/20/2024 2:28:32PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2438003-BLK1) Prepared: 09/19/24 Analyzed: 09/19/24

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	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS (2438003-BS1) Prepared: 09/19/24 Analyzed: 09/19/24

Benzene	2.12	0.0250	2.50		84.9	70-130			
Ethylbenzene	2.16	0.0250	2.50		86.2	70-130			
Toluene	2.20	0.0250	2.50		88.2	70-130			
o-Xylene	2.20	0.0250	2.50		88.1	70-130			
p,m-Xylene	4.38	0.0500	5.00		87.7	70-130			
Total Xylenes	6.58	0.0250	7.50		87.8	70-130			
Surrogate: Bromofluorobenzene	0.537		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.532		0.500		106	70-130			

Matrix Spike (2438003-MS1) Source: E409111-16 Prepared: 09/19/24 Analyzed: 09/19/24

Benzene	2.26	0.0250	2.50	ND	90.2	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	92.1	45-135			
Toluene	2.35	0.0250	2.50	ND	94.1	48-130			
o-Xylene	2.32	0.0250	2.50	ND	92.7	43-135			
p,m-Xylene	4.64	0.0500	5.00	ND	92.8	43-135			
Total Xylenes	6.96	0.0250	7.50	ND	92.8	43-135			
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.539		0.500		108	70-130			

Matrix Spike Dup (2438003-MSD1) Source: E409111-16 Prepared: 09/19/24 Analyzed: 09/19/24

Benzene	2.24	0.0250	2.50	ND	89.7	48-131	0.622	23	
Ethylbenzene	2.27	0.0250	2.50	ND	90.7	45-135	1.60	27	
Toluene	2.29	0.0250	2.50	ND	91.6	48-130	2.76	24	
o-Xylene	2.32	0.0250	2.50	ND	92.7	43-135	0.0432	27	
p,m-Xylene	4.62	0.0500	5.00	ND	92.4	43-135	0.421	27	
Total Xylenes	6.94	0.0250	7.50	ND	92.5	43-135	0.295	27	
Surrogate: Bromofluorobenzene	0.547		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.491		0.500		98.1	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/20/2024 2:28:32PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438003-BLK1) Prepared: 09/19/24 Analyzed: 09/19/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.467		0.500		93.3	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			

LCS (2438003-BS2) Prepared: 09/19/24 Analyzed: 09/19/24

Gasoline Range Organics (C6-C10)	52.4	20.0	50.0		105	70-130			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.3	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			

Matrix Spike (2438003-MS2) Source: E409111-16 Prepared: 09/19/24 Analyzed: 09/19/24

Gasoline Range Organics (C6-C10)	53.3	20.0	50.0	ND	107	70-130			
Surrogate: Bromofluorobenzene	0.538		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.459		0.500		91.7	70-130			
Surrogate: Toluene-d8	0.556		0.500		111	70-130			

Matrix Spike Dup (2438003-MSD2) Source: E409111-16 Prepared: 09/19/24 Analyzed: 09/19/24

Gasoline Range Organics (C6-C10)	53.6	20.0	50.0	ND	107	70-130	0.540	20	
Surrogate: Bromofluorobenzene	0.543		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.448		0.500		89.6	70-130			
Surrogate: Toluene-d8	0.545		0.500		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/20/2024 2:28:32PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

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

Blank (2437114-BLK1)					Prepared: 09/14/24 Analyzed: 09/18/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.4		50.0		94.7	50-200			

LCS (2437114-BS1)					Prepared: 09/14/24 Analyzed: 09/18/24				
Diesel Range Organics (C10-C28)	178	25.0	250		71.0	38-132			
Surrogate: n-Nonane	48.5		50.0		96.9	50-200			

Matrix Spike (2437114-MS1)					Source: E409111-19		Prepared: 09/14/24 Analyzed: 09/18/24		
Diesel Range Organics (C10-C28)	200	25.0	250	ND	79.9	38-132			
Surrogate: n-Nonane	49.5		50.0		99.1	50-200			

Matrix Spike Dup (2437114-MSD1)					Source: E409111-19		Prepared: 09/14/24 Analyzed: 09/18/24		
Diesel Range Organics (C10-C28)	195	25.0	250	ND	78.1	38-132	2.24	20	
Surrogate: n-Nonane	51.8		50.0		104	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/20/2024 2:28:32PM

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 (2438013-BLK1)					Prepared: 09/16/24 Analyzed: 09/16/24				
Chloride	ND	20.0							
LCS (2438013-BS1)					Prepared: 09/16/24 Analyzed: 09/16/24				
Chloride	255	20.0	250		102	90-110			
Matrix Spike (2438013-MS1)					Source: E409111-11		Prepared: 09/16/24 Analyzed: 09/16/24		
Chloride	1010	20.0	250	778	91.6	80-120			
Matrix Spike Dup (2438013-MSD1)					Source: E409111-11		Prepared: 09/16/24 Analyzed: 09/16/24		
Chloride	1020	20.0	250	778	95.9	80-120	1.07	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/20/24 14:28

- 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 7

Client: Pima Environmental Services Project: Sirius 17 Federal Com #7H Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM. 88240 Phone: 806-782-1151 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 1-376 (nAPP2425352986)					Lab Use Only Lab WO# E4091121 Job Number 01058.0007 Analysis and Method					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X										
										Remarks										
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX							
7:02	9/12	S	1	S1-Surface	1							X								
7:11				S1-1'	2															
7:14				S1-2'	3															
7:16				S1-4'	4															
7:23				S2-Surface	5															
7:30				S2-1'	6															
7:36				S2-2'	7															
7:39				S2-4'	8															
7:42				S3-Surface	9															
7:49				S3-1'	10															
Additional Instructions: Work Order/Billing: 21406300																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only Received on ice: 0/ N								
[Signature]		9.13.24		1210		[Signature]		9.13.24		1800		T1 T2 T3								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C 4								
[Signature]		9.13.24		2400		Caitlin Man		9.16.24		7:30										
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Project Information

Chain of Custody

Page 2 of 7

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program																									
Project: Sirius 17 Federal Com #7H					Attention: Devon Energy					Lab WO#					Job Number				1D		2D		3D		Standard		CWA		SDWA															
Project Manager: Tom Bynum					Address:					E409111					01058-0007																													
Address: 5614 N. Lovington Hwy.					City, State, Zip					Analysis and Method																																		
City, State, Zip Hobbs, NM. 88240					Phone:					DRO/ORO by 8015										BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BDOC NM		BDOC TX		RCRA												
Phone: 806-782-1151					Email:																																							
Email: tom@pimaoil.com					Pima Project # 1-376 (nAPP2425352986)																																							
Report due by:																																												
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																																						
7:56	9/12	S	1	S3-2'	11																																							
8:01				S3-4'	12																																							
8:10				S4-Surface	13																																							
8:17				S4-1'	14																																							
8:23				S4-2'	15																																							
8:36				S4-4'	16																																							
8:41				S5-Surface	17																																							
8:47				S5-1'	18																																							
8:53				S5-2'	19																																							
9:17				S5-4'	20																																							
Additional Instructions: Work Order/Billing: 21406300																																												
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.															Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																													
Relinquished by: (Signature)					Date					Time					Received by: (Signature)					Date					Time					Lab Use Only														
Karine Hame					9.13.24					1210					[Signature]					9.13.24					1210					Received on ice: 01 N														
Relinquished by: (Signature)					Date					Time					Received by: (Signature)					Date					Time					T1					T2					T3				
[Signature]					9.13.24					1600					[Signature]					9.13.24					1800																			
Relinquished by: (Signature)					Date					Time					Received by: (Signature)					Date					Time					AVG Temp °C														
[Signature]					9.13.24					2400					[Signature]					9.13.24					7:30					4														
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																													
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																												

Envirotech Analytical Laboratory

Printed: 9/16/2024 10:21:11AM

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:	09/16/24 07:30	Work Order ID:	E409111
Phone:	(575) 631-6977	Date Logged In:	09/13/24 13:21	Logged In By:	Noe Soto
Email:	tom@pimaoil.com	Due Date:	09/20/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Sampler name is missing on COC by client. Project Sirius 17 Federal Com #7H has been separated into multiple WO due to sample volume, WOs are E409111-E409213.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Sirius 17 Federal Com #7H

Work Order: E409112

Job Number: 01058-0007

Received: 9/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/24

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: 9/19/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Sirius 17 Federal Com #7H
Workorder: E409112
Date Received: 9/16/2024 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2024 7:30:00AM, under the Project Name: Sirius 17 Federal Com #7H.

The analytical test results summarized in this report with the Project Name: Sirius 17 Federal Com #7H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/19/24 08:47

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6 - Surface	E409112-01A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S6 - 1'	E409112-02A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S6 - 2'	E409112-03A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S6 - 4'	E409112-04A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S7 - Surface	E409112-05A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S7 - 1'	E409112-06A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S7 - 2'	E409112-07A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S7 - 4'	E409112-08A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S8 - Surface	E409112-09A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S8 - 1'	E409112-10A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S8 - 2'	E409112-11A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S8 - 4'	E409112-12A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S9 - Surface	E409112-13A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S9 - 1'	E409112-14A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S9 - 2'	E409112-15A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S9 - 4'	E409112-16A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S10 - Surface	E409112-17A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S10 - 1'	E409112-18A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S10 - 2'	E409112-19A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S10 - 4'	E409112-20A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 8:47:08AM

S6 - Surface

E409112-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		91.2 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	3690	50.0	2	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	1840	100	2	09/14/24	09/17/24	
<i>Surrogate: n-Nonane</i>						
		92.7 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	7630	200	10	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S6 - 1'

E409112-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID	89.1 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.8 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	69.3	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane	86.6 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	3840	40.0	2	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 8:47:08AM

S6 - 2'

E409112-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	0.0313	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	0.0433	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	0.0433	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	87.1 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.1 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
<i>Surrogate: n-Nonane</i>	83.8 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	1630	40.0	2	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S6 - 4'

E409112-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID	89.1 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.5 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane	87.0 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	21.6	20.0	1	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S7 - Surface
E409112-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID	91.2 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.2 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	2590	50.0	2	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	1300	100	2	09/14/24	09/17/24	
Surrogate: n-Nonane	90.6 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	7520	100	5	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S7 - 1'

E409112-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID	89.3 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.1 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane	91.0 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	4110	40.0	2	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S7 - 2'

E409112-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID	89.5 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.0 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane	87.1 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	241	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 8:47:08AM

S7 - 4'

E409112-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438004
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438004
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.1 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437113
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
<i>Surrogate: n-Nonane</i>						
	89.5 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438015
Chloride	ND	20.0	1	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S8 - Surface
E409112-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID	90.8 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.7 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	2240	50.0	2	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	1090	100	2	09/14/24	09/17/24	
Surrogate: n-Nonane	86.7 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	7640	100	5	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S8 - 1'

E409112-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID	89.6 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.3 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane	83.3 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	3140	40.0	2	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 8:47:08AM

S8 - 2'

E409112-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438004
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.0 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438004
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437113
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
<i>Surrogate: n-Nonane</i>						
	86.0 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438015
Chloride	1670	40.0	2	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 8:47:08AM

S8 - 4'

E409112-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.3 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
<i>Surrogate: n-Nonane</i>						
	93.0 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	27.0	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 8:47:08AM

S9 - Surface

E409112-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.4 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	96.8 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	4940	125	5	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	2800	250	5	09/14/24	09/18/24	
<i>Surrogate: n-Nonane</i>	104 %	50-200		09/14/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	8570	200	10	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 8:47:08AM

S9 - 1'

E409112-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438004
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438004
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437113
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	62.1	50.0	1	09/14/24	09/17/24	
<i>Surrogate: n-Nonane</i>						
	90.0 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438015
Chloride	ND	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 8:47:08AM

S9 - 2'

E409112-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438004
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	85.5 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438004
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.7 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437113
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
<i>Surrogate: n-Nonane</i>						
	89.2 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438015
Chloride	36.0	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 8:47:08AM

S9 - 4'

E409112-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438004
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.5 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438004
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.8 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437113
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
<i>Surrogate: n-Nonane</i>						
	98.0 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438015
Chloride	47.1	20.0	1	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S10 - Surface
E409112-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID	89.1 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.1 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	3970	50.0	2	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	1870	100	2	09/14/24	09/17/24	
Surrogate: n-Nonane	92.4 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	6800	100	5	09/16/24	09/16/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S10 - 1'

E409112-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID	87.4 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.5 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	57.0	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane	90.9 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	51.2	20.0	1	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S10 - 2'

E409112-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	0.0341	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: 4-Bromochlorobenzene-PID	86.4 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.8 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane	91.9 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	32.3	20.0	1	09/16/24	09/16/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/19/2024 8:47:08AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

S10 - 4'

E409112-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.1 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438004	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2437113	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
<i>Surrogate: n-Nonane</i>						
	91.0 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2438015	
Chloride	43.1	20.0	1	09/16/24	09/16/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/19/2024 8:47:08AM

Volatile Organics by EPA 8021B

Analyst: CG

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 (2438004-BLK1) Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.15		8.00		89.3	70-130			

LCS (2438004-BS1) Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	5.29	0.0250	5.00		106	70-130			
Ethylbenzene	5.01	0.0250	5.00		100	70-130			
Toluene	5.17	0.0250	5.00		103	70-130			
o-Xylene	5.01	0.0250	5.00		100	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		101	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.09		8.00		88.6	70-130			

Matrix Spike (2438004-MS1) Source: E409112-05 Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	5.17	0.0250	5.00	ND	103	54-133			
Ethylbenzene	4.93	0.0250	5.00	ND	98.6	61-133			
Toluene	5.06	0.0250	5.00	ND	101	61-130			
o-Xylene	4.92	0.0250	5.00	ND	98.3	63-131			
p,m-Xylene	9.97	0.0500	10.0	ND	99.7	63-131			
Total Xylenes	14.9	0.0250	15.0	ND	99.3	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.27		8.00		90.9	70-130			

Matrix Spike Dup (2438004-MSD1) Source: E409112-05 Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	4.85	0.0250	5.00	ND	96.9	54-133	6.41	20	
Ethylbenzene	4.67	0.0250	5.00	ND	93.4	61-133	5.42	20	
Toluene	4.79	0.0250	5.00	ND	95.9	61-130	5.44	20	
o-Xylene	4.65	0.0250	5.00	ND	93.0	63-131	5.54	20	
p,m-Xylene	9.46	0.0500	10.0	ND	94.6	63-131	5.32	20	
Total Xylenes	14.1	0.0250	15.0	ND	94.0	63-131	5.39	20	
Surrogate: 4-Bromochlorobenzene-PID	6.98		8.00		87.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/19/2024 8:47:08AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

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 (2438004-BLK1) Prepared: 09/16/24 Analyzed: 09/17/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			

LCS (2438004-BS2) Prepared: 09/16/24 Analyzed: 09/17/24

Gasoline Range Organics (C6-C10)	44.7	20.0	50.0		89.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

Matrix Spike (2438004-MS2) Source: E409112-05 Prepared: 09/16/24 Analyzed: 09/17/24

Gasoline Range Organics (C6-C10)	46.4	20.0	50.0	ND	92.8	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		98.0	70-130			

Matrix Spike Dup (2438004-MSD2) Source: E409112-05 Prepared: 09/16/24 Analyzed: 09/17/24

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	4.46	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.64		8.00		95.5	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/19/2024 8:47:08AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437113-BLK1)					Prepared: 09/14/24 Analyzed: 09/17/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.9		50.0		95.7	50-200			

LCS (2437113-BS1)					Prepared: 09/14/24 Analyzed: 09/17/24				
Diesel Range Organics (C10-C28)	216	25.0	250		86.4	38-132			
Surrogate: n-Nonane	50.1		50.0		100	50-200			

Matrix Spike (2437113-MS1)					Source: E409112-13		Prepared: 09/14/24 Analyzed: 09/18/24		
Diesel Range Organics (C10-C28)	3950	125	250	4940	NR	38-132			M4
Surrogate: n-Nonane	54.2		50.0		108	50-200			

Matrix Spike Dup (2437113-MSD1)					Source: E409112-13		Prepared: 09/14/24 Analyzed: 09/18/24		
Diesel Range Organics (C10-C28)	4090	125	250	4940	NR	38-132	3.66	20	M4
Surrogate: n-Nonane	55.2		50.0		110	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/19/2024 8:47:08AM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2438015-BLK1)					Prepared: 09/16/24 Analyzed: 09/16/24				
Chloride	ND	20.0							
LCS (2438015-BS1)					Prepared: 09/16/24 Analyzed: 09/16/24				
Chloride	254	20.0	250		101	90-110			
Matrix Spike (2438015-MS1)					Source: E409112-02		Prepared: 09/16/24 Analyzed: 09/16/24		
Chloride	4090	40.0	250	3840	102	80-120			
Matrix Spike Dup (2438015-MSD1)					Source: E409112-02		Prepared: 09/16/24 Analyzed: 09/16/24		
Chloride	4360	40.0	250	3840	210	80-120	6.37	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:	Sirius 17 Federal Com #7H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/19/24 08:47

- 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

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: Sirius 17 Federal Com #7H					Attention: Devon Energy		Lab WO# E409112		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
City, State, Zip Hobbs, NM. 88240					Phone:		Chloride 300.0									
Phone: 806-782-1151					Email:											
Email: tom@pimaoil.com					Pima Project # 1-376 (nAPP2425352986)											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks										
9:20	9/12	S	1	S6-Surface	1											
9:27				S6-1'	2											
9:31				S6-2'	3											
9:37				S6-4'	4											
9:39				S7-Surface	5											
9:41				S7-1'	6											
9:47				S7-2'	7											
9:49				S7-4'	8											
9:50				S8-Surface	9											
9:53				S8-1'	10											

Additional Instructions: Work Order/Billing: 21406300

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) *Capina Adams* Date *9.13.24* Time *1210* Received by: (Signature) *[Signature]* Date *12/10* Time *9:1324*

Relinquished by: (Signature) *[Signature]* Date *9.13.24* Time *1000* Received by: (Signature) *[Signature]* Date *9.13.24* Time *1800*

Relinquished by: (Signature) *[Signature]* Date *9.13.24* Time *2400* Received by: (Signature) *Caith Man* Date *9.16.24* Time *7:30*

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 7

Client: Pima Environmental Services Project: Sirius 17 Federal Com #7H Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 1-376 (nAPP2425352986)					Lab Use Only Lab WO# E409112 Job Number 01058-0007 Analysis and Method					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
															State NM CO UT AZ TX X				Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX					
9:58	9/12	S	1	S8-2'	11									X						
10:06				S8-4'	12															
10:11				S9-Surface	13															
10:17				S9-1'	14															
10:20				S9-2'	15															
10:26				S9-4'	16															
10:31				S10-Surface	17															
10:39				S10-1'	18															
10:43				S10-2'	19															
10:56				S10-4'	20															
Additional Instructions: Work Order/Billing: 21406300																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
Karime Adams		9.13.24		12:10		C. H.		9.13.24		12:10		Received on ice: Y / N								
C. H.		9.13.24		16:00		J. H.		9.13.24		18:00		T1 T2 T3								
J. H.		9.13.24		24:00		Keith Man		9.16.24		7:30		AVG Temp °C 4								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

Printed: 9/16/2024 10:40:26AM

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:	09/16/24 07:30	Work Order ID:	E409112
Phone:	(575) 631-6977	Date Logged In:	09/13/24 13:21	Logged In By:	Noe Soto
Email:	tom@pimaoil.com	Due Date:	09/20/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Sampler name is missing on COC by client. Project Sirius 17 Federal Com #7H has been separated into multiple WO due to sample volume, WOs are E409111-E409213.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:

Sample ID?	Yes
Date/Time Collected?	Yes
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

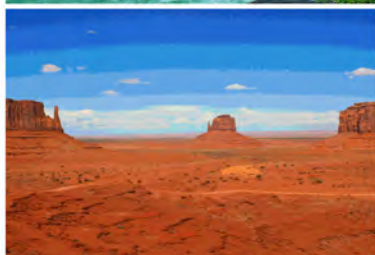
Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Sirius 17 Federal Com #7H

Work Order: E409113

Job Number: 01058-0007

Received: 9/16/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/18/24

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: 9/18/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Sirius 17 Federal Com #7H
Workorder: E409113
Date Received: 9/16/2024 7:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/16/2024 7:30:00AM, under the Project Name: Sirius 17 Federal Com #7H.

The analytical test results summarized in this report with the Project Name: Sirius 17 Federal Com #7H 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
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Cell: 775-287-1762
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/18/24 15:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S11 - Surface	E409113-01A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S11 - 1'	E409113-02A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S11 - 2'	E409113-03A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S11 - 4'	E409113-04A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S12 - Surface	E409113-05A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S12 - 1'	E409113-06A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S12 - 2'	E409113-07A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S12 - 4'	E409113-08A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S13 - Surface	E409113-09A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S13 - 1'	E409113-10A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S13 - 2'	E409113-11A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S13 - 4'	E409113-12A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S14 - Surface	E409113-13A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S14 - 1'	E409113-14A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S14 - 2'	E409113-15A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S14 - 4'	E409113-16A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S15 - Surface	E409113-17A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S15 - 1'	E409113-18A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S15 - 2'	E409113-19A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
S15 - 4'	E409113-20A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
H1-Comp	E409113-21A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
H2-Comp	E409113-22A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
H3-Comp	E409113-23A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
H4-Comp	E409113-24A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
H5-Comp	E409113-25A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
H6-Comp	E409113-26A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
H7-Comp	E409113-27A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
H8-Comp	E409113-28A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
BG1-1'	E409113-29A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.
BG2-1'	E409113-30A	Soil	09/12/24	09/16/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S11 - Surface

E409113-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	1990	125	5	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	612	250	5	09/14/24	09/17/24	
Surrogate: n-Nonane		83.1 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	9980	200	10	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S11 - 1'

E409113-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		106 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		106 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		90.6 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S11 - 2'

E409113-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		79.3 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	39.3	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S11 - 4'

E409113-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		89.4 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	78.6	20.0	1	09/16/24	09/16/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S12 - Surface

E409113-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	2830	50.0	2	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	1250	100	2	09/14/24	09/17/24	
Surrogate: n-Nonane		88.8 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	8680	200	10	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S12 - I'

E409113-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		104 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		104 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		84.7 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	29.9	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S12 - 2'

E409113-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		88.1 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	28.4	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S12 - 4'

E409113-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		88.8 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	20.2	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S13 - Surface

E409113-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		100 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	3430	50.0	2	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	1700	100	2	09/14/24	09/17/24	
Surrogate: n-Nonane		93.2 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	8440	200	10	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S13 - I'

E409113-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		87.5 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S13 - 2'

E409113-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.0 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		83.6 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	28.1	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S13 - 4'

E409113-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		86.7 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	27.0	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S14 - Surface

E409113-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	3850	50.0	2	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	1820	100	2	09/14/24	09/17/24	
Surrogate: n-Nonane		88.8 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	11100	200	10	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S14 - I'

E409113-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		78.3 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S14 - 2'

E409113-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		81.5 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	34.5	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S14 - 4'

E409113-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		89.1 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S15 - Surface

E409113-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		84.9 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	692	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S15 - I'

E409113-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		109 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		109 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		84.0 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	206	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S15 - 2'

E409113-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		109 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		109 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		85.7 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	213	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

S15 - 4'

E409113-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Benzene	ND	0.0250	1	09/16/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/17/24	
Toluene	ND	0.0250	1	09/16/24	09/17/24	
o-Xylene	ND	0.0250	1	09/16/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		109 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/17/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/16/24	09/17/24	
Surrogate: Toluene-d8		109 %	70-130	09/16/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437112
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		87.0 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438016
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

H1-Comp
E409113-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		109 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		109 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437111
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		87.0 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438017
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Sirius 17 Federal Com #7H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/18/2024 3:49:37PM
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H2-Comp
E409113-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		106 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437111
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		95.5 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438017
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

H3-Comp
E409113-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437111
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		92.2 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438017
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

H4-Comp
E409113-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437111
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		95.6 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438017
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

H5-Comp
E409113-25

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437111
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		89.9 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438017
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/18/2024 3:49:37PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H6-Cmp

E409113-26

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2438006	
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene	103 %	70-130		09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		09/16/24	09/18/24	
Surrogate: Toluene-d8	107 %	70-130		09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2438006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene	103 %	70-130		09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	93.5 %	70-130		09/16/24	09/18/24	
Surrogate: Toluene-d8	107 %	70-130		09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2437111	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane	92.5 %	50-200		09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2438017	
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/18/2024 3:49:37PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H7-Comp

E409113-27

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		109 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		92.9 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		109 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437111
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/17/24	
Surrogate: n-Nonane		87.9 %	50-200	09/14/24	09/17/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438017
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

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

Project Name: Sirius 17 Federal Com #7H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/18/2024 3:49:37PM

H8-Comp
E409113-28

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		108 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437111
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		91.9 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438017
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/18/2024 3:49:37PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

BG1-1'
E409113-29

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2438006	
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene	106 %	70-130		09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		09/16/24	09/18/24	
Surrogate: Toluene-d8	106 %	70-130		09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2438006	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene	106 %	70-130		09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	96.9 %	70-130		09/16/24	09/18/24	
Surrogate: Toluene-d8	106 %	70-130		09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2437111	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane	95.1 %	50-200		09/14/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2438017	
Chloride	ND	20.0	1	09/16/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Sirius 17 Federal Com #7H Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/18/2024 3:49:37PM
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BG2-1'
E409113-30

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Benzene	ND	0.0250	1	09/16/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/16/24	09/18/24	
Toluene	ND	0.0250	1	09/16/24	09/18/24	
o-Xylene	ND	0.0250	1	09/16/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/16/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438006
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/16/24	09/18/24	
Surrogate: Bromofluorobenzene		105 %	70-130	09/16/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	09/16/24	09/18/24	
Surrogate: Toluene-d8		107 %	70-130	09/16/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2437111
Diesel Range Organics (C10-C28)	ND	25.0	1	09/14/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/14/24	09/18/24	
Surrogate: n-Nonane		90.8 %	50-200	09/14/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2438017
Chloride	ND	20.0	1	09/16/24	09/17/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/18/2024 3:49:37PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2438005-BLK1) Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

LCS (2438005-BS1) Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	2.26	0.0250	2.50		90.3	70-130			
Ethylbenzene	2.28	0.0250	2.50		91.0	70-130			
Toluene	2.31	0.0250	2.50		92.5	70-130			
o-Xylene	2.31	0.0250	2.50		92.2	70-130			
p,m-Xylene	4.61	0.0500	5.00		92.2	70-130			
Total Xylenes	6.92	0.0250	7.50		92.2	70-130			
Surrogate: Bromofluorobenzene	0.531		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.531		0.500		106	70-130			

Matrix Spike (2438005-MS1) Source: E409113-17 Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	2.32	0.0250	2.50	ND	92.8	48-131			
Ethylbenzene	2.30	0.0250	2.50	ND	92.0	45-135			
Toluene	2.34	0.0250	2.50	ND	93.6	48-130			
o-Xylene	2.33	0.0250	2.50	ND	93.3	43-135			
p,m-Xylene	4.67	0.0500	5.00	ND	93.4	43-135			
Total Xylenes	7.00	0.0250	7.50	ND	93.4	43-135			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.1	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			

Matrix Spike Dup (2438005-MSD1) Source: E409113-17 Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	2.29	0.0250	2.50	ND	91.5	48-131	1.43	23	
Ethylbenzene	2.27	0.0250	2.50	ND	90.9	45-135	1.20	27	
Toluene	2.31	0.0250	2.50	ND	92.5	48-130	1.27	24	
o-Xylene	2.31	0.0250	2.50	ND	92.6	43-135	0.753	27	
p,m-Xylene	4.61	0.0500	5.00	ND	92.2	43-135	1.35	27	
Total Xylenes	6.92	0.0250	7.50	ND	92.3	43-135	1.15	27	
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/18/2024 3:49:37PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2438006-BLK1) Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			

LCS (2438006-BS1) Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	2.23	0.0250	2.50		89.3	70-130			
Ethylbenzene	2.25	0.0250	2.50		89.9	70-130			
Toluene	2.30	0.0250	2.50		92.0	70-130			
o-Xylene	2.27	0.0250	2.50		90.8	70-130			
p,m-Xylene	4.54	0.0500	5.00		90.8	70-130			
Total Xylenes	6.81	0.0250	7.50		90.8	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.528		0.500		106	70-130			

Matrix Spike (2438006-MS1) Source: E409119-04 Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	2.23	0.0250	2.50	ND	89.2	48-131			
Ethylbenzene	2.24	0.0250	2.50	ND	89.7	45-135			
Toluene	2.30	0.0250	2.50	ND	92.0	48-130			
o-Xylene	2.27	0.0250	2.50	ND	90.8	43-135			
p,m-Xylene	4.54	0.0500	5.00	ND	90.8	43-135			
Total Xylenes	6.81	0.0250	7.50	ND	90.8	43-135			
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.1	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

Matrix Spike Dup (2438006-MSD1) Source: E409119-04 Prepared: 09/16/24 Analyzed: 09/17/24

Benzene	2.31	0.0250	2.50	ND	92.3	48-131	3.44	23	
Ethylbenzene	2.31	0.0250	2.50	ND	92.3	45-135	2.83	27	
Toluene	2.35	0.0250	2.50	ND	94.1	48-130	2.34	24	
o-Xylene	2.32	0.0250	2.50	ND	92.8	43-135	2.11	27	
p,m-Xylene	4.65	0.0500	5.00	ND	92.9	43-135	2.29	27	
Total Xylenes	6.96	0.0250	7.50	ND	92.9	43-135	2.23	27	
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/18/2024 3:49:37PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438005-BLK1) Prepared: 09/16/24 Analyzed: 09/17/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.538		0.500		108	70-130			

LCS (2438005-BS2) Prepared: 09/16/24 Analyzed: 09/17/24

Gasoline Range Organics (C6-C10)	53.2	20.0	50.0		106	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130			
Surrogate: Toluene-d8	0.552		0.500		110	70-130			

Matrix Spike (2438005-MS2) Source: E409113-17 Prepared: 09/16/24 Analyzed: 09/17/24

Gasoline Range Organics (C6-C10)	51.3	20.0	50.0	ND	103	70-130			
Surrogate: Bromofluorobenzene	0.533		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

Matrix Spike Dup (2438005-MSD2) Source: E409113-17 Prepared: 09/16/24 Analyzed: 09/17/24

Gasoline Range Organics (C6-C10)	47.4	20.0	50.0	ND	94.8	70-130	8.02	20	
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 9/18/2024 3:49:37PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438006-BLK1) Prepared: 09/16/24 Analyzed: 09/17/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		94.9	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			

LCS (2438006-BS2) Prepared: 09/16/24 Analyzed: 09/17/24

Gasoline Range Organics (C6-C10)	50.8	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.522		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.543		0.500		109	70-130			

Matrix Spike (2438006-MS2) Source: E409119-04 Prepared: 09/16/24 Analyzed: 09/18/24

Gasoline Range Organics (C6-C10)	50.6	20.0	50.0	ND	101	70-130			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.554		0.500		111	70-130			

Matrix Spike Dup (2438006-MSD2) Source: E409119-04 Prepared: 09/16/24 Analyzed: 09/18/24

Gasoline Range Organics (C6-C10)	48.5	20.0	50.0	ND	97.0	70-130	4.15	20	
Surrogate: Bromofluorobenzene	0.537		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/18/2024 3:49:37PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437111-BLK1) Prepared: 09/14/24 Analyzed: 09/17/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.2		50.0		94.3	50-200			

LCS (2437111-BS1) Prepared: 09/14/24 Analyzed: 09/17/24

Diesel Range Organics (C10-C28)	199	25.0	250		79.8	38-132			
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			

Matrix Spike (2437111-MS1) Source: E409113-28 Prepared: 09/14/24 Analyzed: 09/17/24

Diesel Range Organics (C10-C28)	204	25.0	250	ND	81.5	38-132			
Surrogate: n-Nonane	47.0		50.0		94.0	50-200			

Matrix Spike Dup (2437111-MSD1) Source: E409113-28 Prepared: 09/14/24 Analyzed: 09/17/24

Diesel Range Organics (C10-C28)	216	25.0	250	ND	86.4	38-132	5.79	20	
Surrogate: n-Nonane	50.1		50.0		100	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/18/2024 3:49:37PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2437112-BLK1) Prepared: 09/14/24 Analyzed: 09/17/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	45.8		50.0		91.6	50-200			

LCS (2437112-BS1) Prepared: 09/14/24 Analyzed: 09/17/24

Diesel Range Organics (C10-C28)	206	25.0	250		82.6	38-132			
Surrogate: n-Nonane	48.8		50.0		97.6	50-200			

Matrix Spike (2437112-MS1) Source: E409113-15 Prepared: 09/14/24 Analyzed: 09/17/24

Diesel Range Organics (C10-C28)	194	25.0	250	ND	77.6	38-132			
Surrogate: n-Nonane	46.3		50.0		92.7	50-200			

Matrix Spike Dup (2437112-MSD1) Source: E409113-15 Prepared: 09/14/24 Analyzed: 09/17/24

Diesel Range Organics (C10-C28)	204	25.0	250	ND	81.5	38-132	4.95	20	
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/18/2024 3:49:37PM

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 (2438016-BLK1)					Prepared: 09/16/24 Analyzed: 09/16/24				
Chloride	ND	20.0							
LCS (2438016-BS1)					Prepared: 09/16/24 Analyzed: 09/17/24				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2438016-MS1)					Source: E409113-04		Prepared: 09/16/24 Analyzed: 09/16/24		
Chloride	375	20.0	250	78.6	119	80-120			
Matrix Spike Dup (2438016-MSD1)					Source: E409113-04		Prepared: 09/16/24 Analyzed: 09/16/24		
Chloride	378	20.0	250	78.6	120	80-120	0.778	20	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/18/2024 3:49:37PM

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2438017-BLK1)					Prepared: 09/16/24 Analyzed: 09/17/24				
Chloride	ND	20.0							
LCS (2438017-BS1)					Prepared: 09/16/24 Analyzed: 09/17/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2438017-MS1)					Source: E409119-01		Prepared: 09/16/24 Analyzed: 09/17/24		
Chloride	263	20.0	250	ND	105	80-120			
Matrix Spike Dup (2438017-MSD1)					Source: E409119-01		Prepared: 09/16/24 Analyzed: 09/17/24		
Chloride	261	20.0	250	ND	105	80-120	0.440	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/18/24 15:49

- 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 5 of 7

Client: Pima Environmental Services Project: Sirius 17 Federal Com #7H Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 806-782-1151 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 1-376 (nAPP2425352986)					Lab Use Only Lab WO# E409113 Job Number 01058-0007 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX						TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
										State NM CO UT AZ TX X											
										Remarks											
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																
11:17	9/1/24	S	1	S11-Surface	1																
11:23				S11-1'	2																
11:29				S11-2'	3																
11:33				S11-4'	4																
11:38				S12-Surface	5																
11:43				S12-1'	6																
11:46				S12-2'	7																
11:51				S12-4'	8																
11:54				S13-Surface	9																
11:59				S13-1'	10																
Additional Instructions: Work Order/Billing: 21406300																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																					
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																					
Relinquished by: (Signature) <i>Carime Afame</i> Date <i>9.13.24</i> Time <i>12:10</i> Received by: (Signature) <i>[Signature]</i> Date <i>9.13.24</i> Time <i>12:10</i>																					
Relinquished by: (Signature) <i>[Signature]</i> Date <i>9.13.24</i> Time <i>16:00</i> Received by: (Signature) <i>[Signature]</i> Date <i>9.13.24</i> Time <i>18:00</i>																					
Relinquished by: (Signature) <i>[Signature]</i> Date <i>9.13.24</i> Time <i>24:00</i> Received by: (Signature) <i>Caithman</i> Date <i>9.16.24</i> Time <i>7:30</i>																					
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.																					

Client: Pima Environmental Services						Bill To							Lab Use Only								TAT				EPA Program				
Project: Sirius 17 Federal Com #7H						Attention: Devon Energy							Lab WO# E409113				Job Number 010580007				1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Tom Bynum						Address:																		X					
Address: 5614 N. Lovington Hwy.						City, State, Zip							Analysis and Method												RCRA				
City, State, Zip Hobbs, NM. 88240						Phone:							DRO/ORO by 8015	GRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0											
Phone: 806-782-1151						Email:															BDOC NM	BDOC TX							
Email: tom@pimaoil.com						Pima Project # 1-376 (nAPP2425352986)															State				NM	CO	UT	AZ	TX
Report due by:																					X								
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks																							
12:04	9/12	S	1	S13-2'	11																								
12:14				S13-4'	12																								
12:17				S14-Surface	13																								
12:23				S14-1'	14																								
12:30				S14-2'	15																								
12:31				S14-4'	16																								
12:37				S15-Surface	17																								
12:40				S15-1'	18																								
12:42				S15-2'	19																								
12:56				S15-4'	20																								
Additional Instructions: Work Order/Billing: 21406300																													
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																	
Relinquished by: (Signature) Karime Adams						Date 9.13.24 Time 12:10						Received by: (Signature) [Signature]						Date 9.13.24 Time 12:10						Lab Use Only Received on ice: (Y/N) N					
Relinquished by: (Signature) [Signature]						Date 9.13.24 Time 12:00						Received by: (Signature) J.M.						Date 9.13.24 Time 18:00						T1 T2 T3					
Relinquished by: (Signature) [Signature]						Date 9.13.24 Time 2400						Received by: (Signature) Cathie [Signature]						Date 9.16.24 Time 7:30						AVG Temp °C 4					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																	
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																													

Project Information

Chain of Custody

Page 7 of 7

Client: Pima Environmental Services Project: Sirius 17 Federal Com #7H Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM. 88240 Phone: 806-782-1151 Email: tom@pimaoil.com Report due by:				Bill To Attention: Devon Energy Address: City, State, Zip: Phone: Email: Pima Project # 1-376 (nAPP2425352986)				Lab Use Only Lab WO# E409113 Job Number 010580007 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC NM BDOC TX				TAT 1D 2D 3D Standard X State NM CO UT AZ TX X				EPA Program CWA SDWA RCRA	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks			
1:07	9/12	S	1	H1-Comp	21							X					
1:12				H2-Comp	22												
1:17				H3-Comp	23												
1:23				H4-Comp	24												
1:30				H5-Comp	25												
1:36				H6-Cmp	26												
1:42				H7-Comp	27												
1:56				H8-Comp	28												
1:59				BG1-1'	29												
2:17				BG2-1'	30												
Additional Instructions: Work Order/Billing: 21406300 I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: Relinquished by: (Signature) <i>Karime Adams</i> Date <i>9.13.24</i> Time <i>1210</i> Received by: (Signature) <i>C. J.</i> Date <i>9.13.24</i> Time <i>1210</i> Relinquished by: (Signature) <i>C. J.</i> Date <i>9.13.24</i> Time <i>1600</i> Received by: (Signature) <i>A. J.</i> Date <i>9.13.24</i> Time <i>1800</i> Relinquished by: (Signature) <i>A. J.</i> Date <i>9.13.24</i> Time <i>2400</i> Received by: (Signature) <i>Carth Man</i> Date <i>9.16.24</i> Time <i>1:30</i> Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																	

Envirotech Analytical Laboratory

Printed: 9/16/2024 10:41:59AM

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:	09/16/24 07:30	Work Order ID:	E409113
Phone:	(575) 631-6977	Date Logged In:	09/13/24 13:21	Logged In By:	Noe Soto
Email:	tom@pimaoil.com	Due Date:	09/20/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Sampler name is missing on COC by client. Project Sirius 17 Federal Com #7H has been separated into multiple WO due to sample volume, WOs are E409111-E409213.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

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

QUESTIONS

Action 390143

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	390143
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2425352986
Incident Name	NAPP2425352986 SIRIUS 17 FEDERAL COM #007H @ 30-015-41762
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-41762] SIRIUS 17 FEDERAL COM #007H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SIRIUS 17 FEDERAL COM #007H
Date Release Discovered	09/08/2024
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
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	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure Well Produced Water Released: 5 BBL Recovered: 4 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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)	1" nipple on welhead pumping tee developed a pinhole and caused a .53 bbls produced water spill. 4 bbls recovered.

District I

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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 390143

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	390143
	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)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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	<i>Not answered.</i>

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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 10/04/2024
--	--

District I

1625 N. French Dr., Hobbs, NM 88240
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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 390143

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390143
	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 51 and 75 (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	Between 1 and 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	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
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)	19000
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	12150
GRO+DRO	(EPA SW-846 Method 8015M)	9560
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.1
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	11/01/2024
On what date will (or did) the final sampling or liner inspection occur	11/11/2024
On what date will (or was) the remediation complete(d)	11/20/2024
What is the estimated surface area (in square feet) that will be reclaimed	6997
What is the estimated volume (in cubic yards) that will be reclaimed	264
What is the estimated surface area (in square feet) that will be remediated	6997
What is the estimated volume (in cubic yards) that will be remediated	264

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
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State of New Mexico
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Oil Conservation Division
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Santa Fe, NM 87505

QUESTIONS, Page 4

Action 390143

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390143
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Remediation Plan (continued)**

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.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)

(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	R360 ARTESIA LLC LANDFARM [FEEM0112340644]
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.

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 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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 10/04/2024
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The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5

Action 390143

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390143
	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 390143

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390143
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	382060
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/12/2024
What was the (estimated) number of samples that were to be gathered	85
What was the sampling surface area in square feet	6551

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 390143

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	390143
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. 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. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	10/11/2024