



PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR:
DEVON ENERGY PRODUCTION CO, LP



SIRIUS 17 FEDERAL COM #7H

Incident ID nAPP2425352986

Remediation Closure Report

November 22, 2024

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

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

Re: Remediation Closure 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. The nearest surface water body is Hackberry Lake approximately 2.31 miles southwest of this 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. A 48-Hour Sampling Notification was submitted by Devon

on September 10, 2024, and can be referenced in Appendix C (OCD Online: Permitting – Application ID 382060).

As composite samples are no longer accepted for horizontal delineation purposes, Pima personnel returned to the site to recollect samples for horizontal delineation.

On September 28, 2024, a total of thirty-two (32) discrete (grab) samples were collected from 8 different sample points around the edges of the release area. These samples were collected from depth intervals of surface, 1', 2', and 4' bgs. All samples were placed on ice, jarred, then 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 Tables 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.

Remediation Activities

On November 7, 2024, Devon construction and Pima mobilized personnel and equipment to the site to begin remediation activities. The affected area measuring approximately 6,707 square feet was excavated to a depth of 1' bgs. The affected area measuring approximately 290 square feet was excavated to a depth of 1.5' bgs. A combined total of approximately 265 cubic yards of contaminated soil was removed and disposed of at an R360, a NMOC approved disposal facility. Then clean, like material was brought to the location to be used for backfilling.

On November 13, 2024, after Devon submitted a 48-hour sampling notification (Appendix C), 5-point composite confirmation samples were collected from the excavation representing no more than 200 square feet from the base and walls of the excavated area. Thirty-six samples were collected from the base of the excavation, and seven samples were collected from the wall of the excavation. A total of forty-three samples were put on ice, prepared for lab delivery, then delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC.

Based on the sample results (Figure 5), all contamination levels from samples within the excavation that are entirely on the engineered pad are under the regulatory limits according to the 51-100-foot depth to groundwater section of Table 1 19.15.29.12 NMAC. A Confirmation Sample Map can be referenced in Figure 6. The excavation was then backfilled and repacked for normal day-to-day traffic.

Devon has complied with the applicable requirements set forth in 19.15.19.12 NMAC and requests that this remediation closure report for incident ID nAPP2425352986 be approved. Devon understands that reclamation of this pad area once it is no longer needed for production or subsequent drilling operations will require an approved reclamation plan addressing a minimum of four feet of non-waste containing earthen material.

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

Devon Energy Production – Jim Raley at 575-689-7597 or jim.raley@dyn.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 Tables
- 6- Confirmation Sample Map

Appendices:

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



Figures:

Location Map

Topographic Map

Karst Map

Site Map

Data Tables

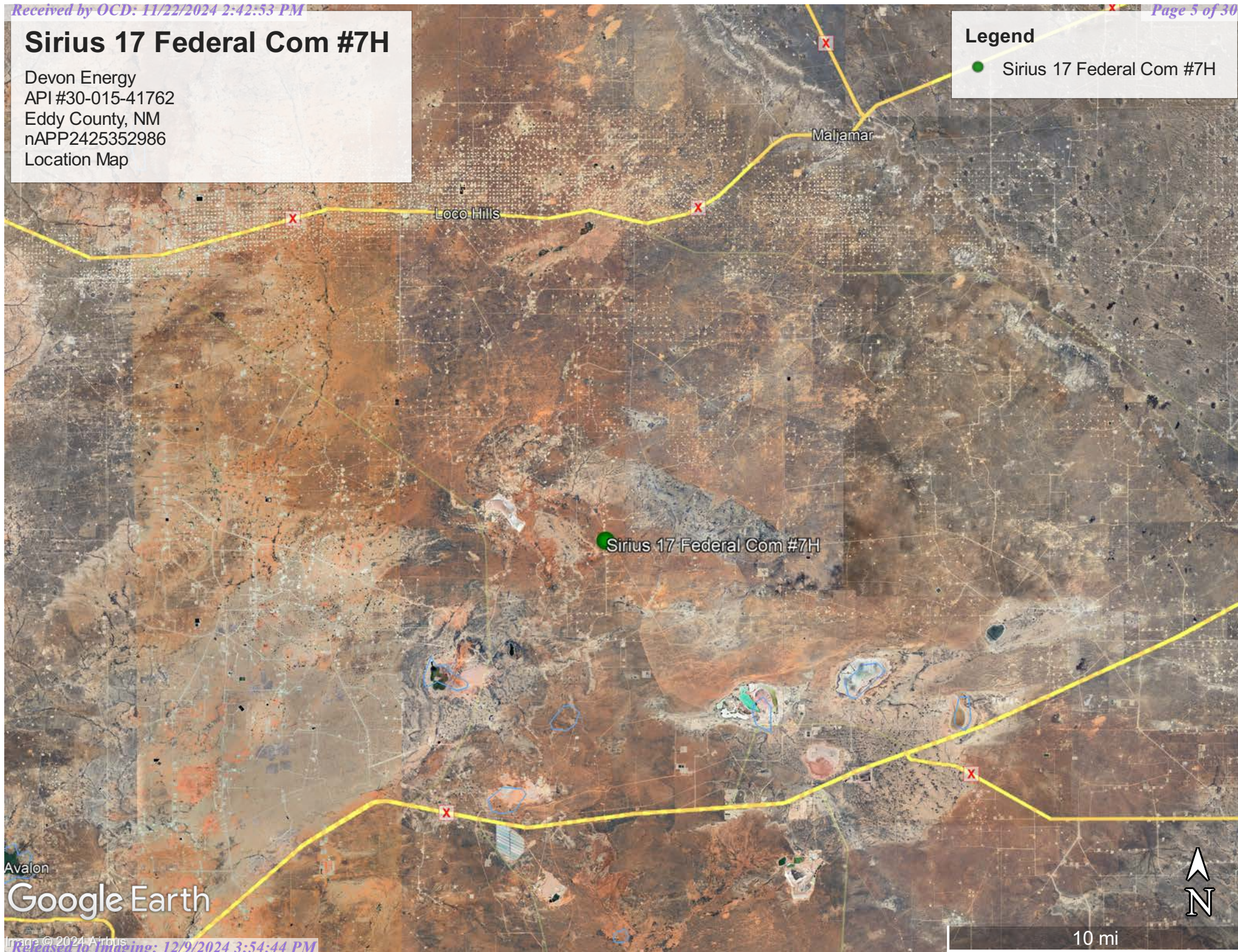
Confirmation Sample Map

Sirius 17 Federal Com #7H

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

Legend

● Sirius 17 Federal Com #7H

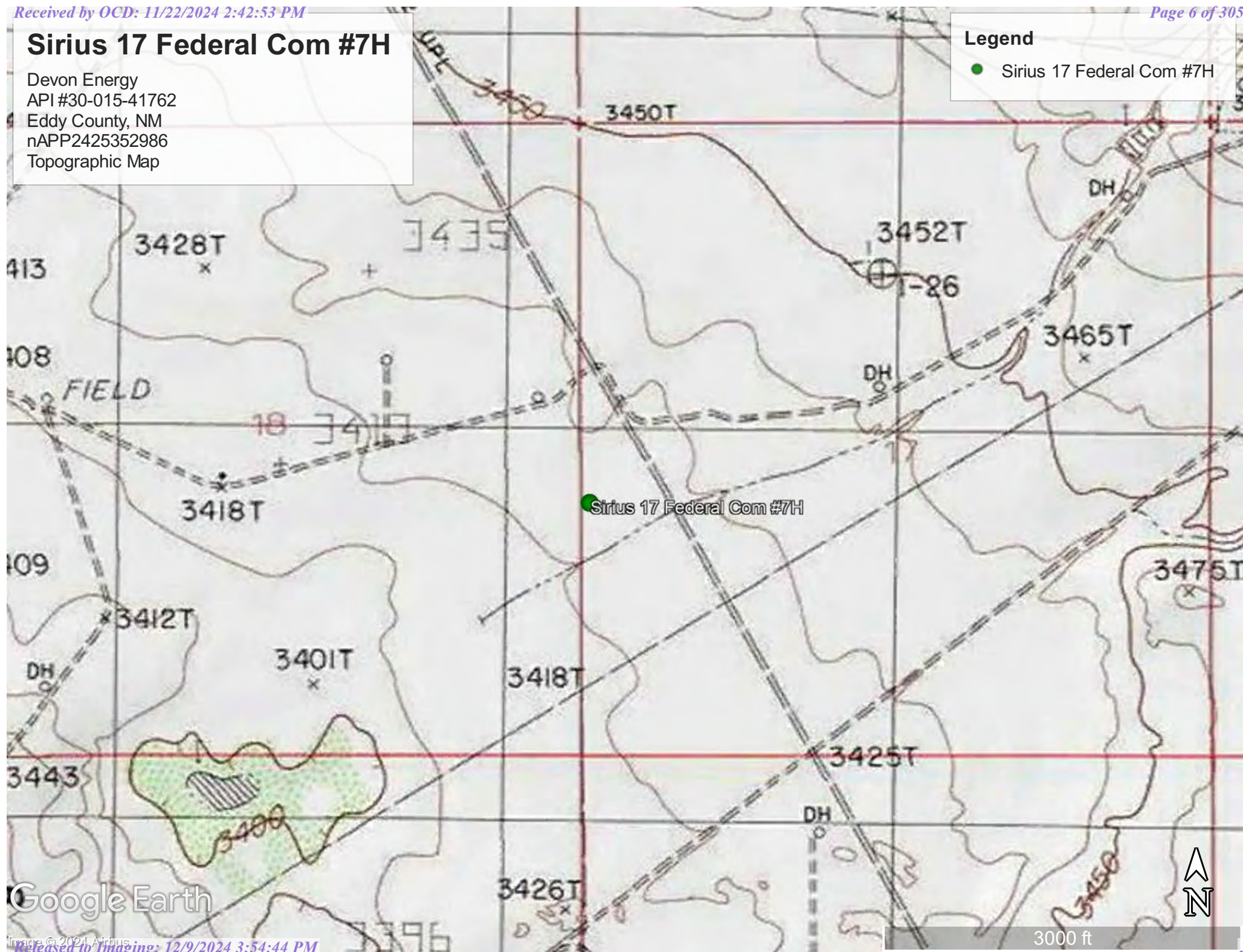


Sirius 17 Federal Com #7H

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



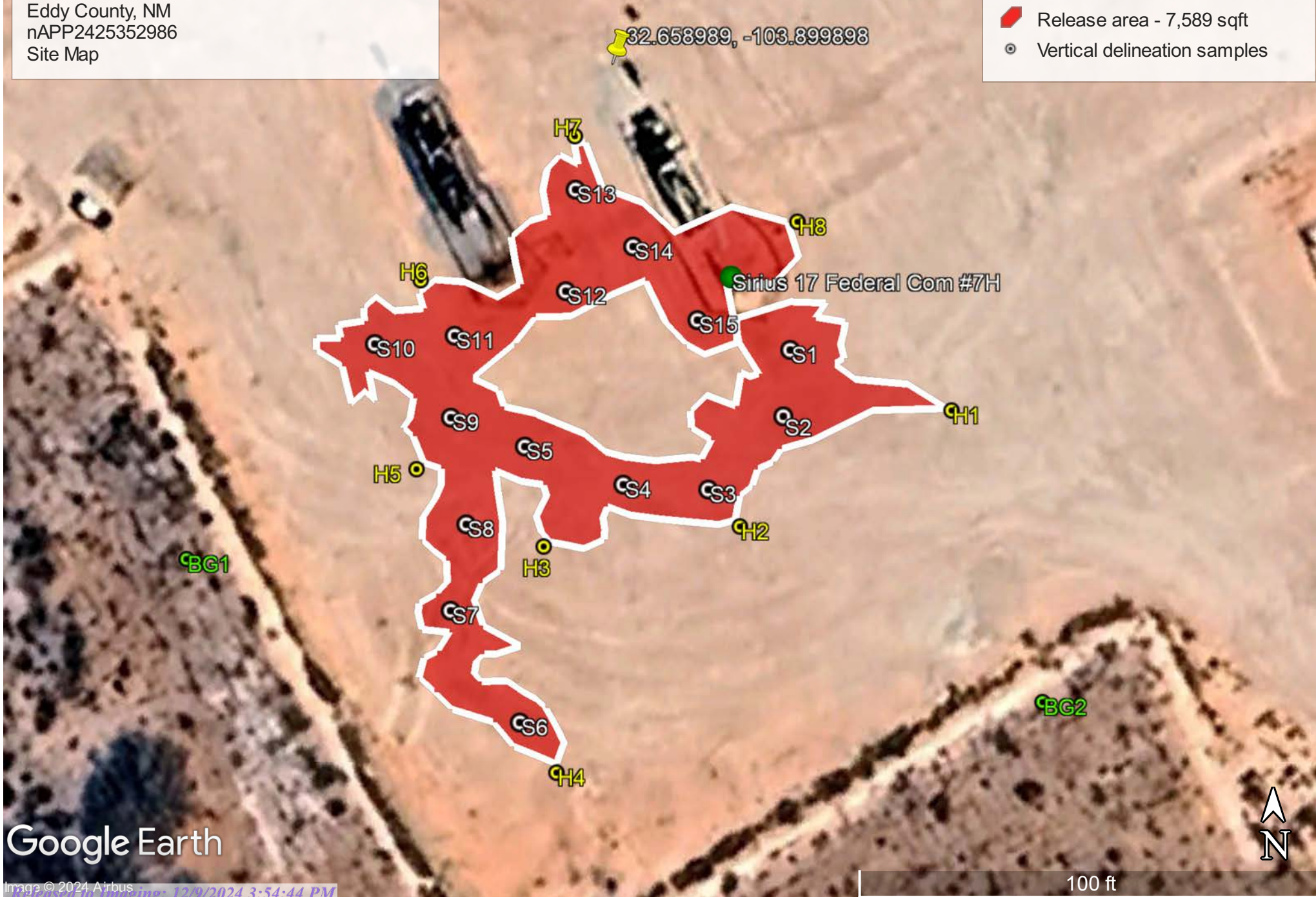
3000 ft

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



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)	PT EX 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

NMOCDA Title 19.15.29 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY - Sirius 17 Federal Com #7H - nAPP2425352986								
Date: 9/28/24		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	CI mg/kg
H1-Surface	6"	ND	ND	ND	ND	ND	ND	ND
H1-1'	1'	ND	ND	ND	ND	ND	ND	ND
H1-2'	2'	ND	ND	ND	ND	ND	ND	ND
H1-4'	4'	ND	ND	ND	ND	ND	ND	ND
H2-Surface	6"	ND	ND	ND	ND	ND	ND	ND
H2-1'	1'	ND	ND	ND	ND	ND	ND	ND
H2-2'	2'	ND	ND	ND	ND	ND	ND	ND
H2-4'	4'	ND	ND	ND	ND	ND	ND	ND
H3-Surface	6"	ND	ND	ND	ND	ND	ND	ND
H3-1'	1'	ND	ND	ND	ND	ND	ND	ND
H3-2'	2'	ND	ND	ND	ND	ND	ND	ND
H3-4'	4'	ND	ND	ND	ND	ND	ND	ND
H4-Surface	6"	ND	ND	ND	ND	ND	ND	ND
H4-1'	1'	ND	ND	ND	ND	ND	ND	ND
H4-2'	2'	ND	ND	ND	ND	ND	ND	ND
H4-4'	4'	ND	ND	ND	ND	ND	ND	ND
H5-Surface	6"	ND	ND	ND	ND	ND	ND	ND
H5-1'	1'	ND	ND	ND	ND	ND	ND	ND
H5-2'	2'	ND	ND	ND	ND	ND	ND	ND
H5-4'	4'	ND	ND	ND	ND	ND	ND	ND
H6-Surface	6"	ND	ND	ND	ND	ND	ND	ND
H6-1'	1'	ND	ND	ND	ND	ND	ND	ND
H6-2'	2'	ND	ND	ND	ND	ND	ND	ND
H6-4'	4'	ND	ND	ND	ND	ND	ND	ND
H7-Surface	6"	ND	ND	ND	ND	ND	ND	ND
H7-1'	1'	ND	ND	ND	ND	ND	ND	ND
H7-2'	2'	ND	ND	ND	ND	ND	ND	ND
H7-4'	4'	ND	ND	ND	ND	ND	ND	ND
H8-Surface	6"	ND	ND	ND	ND	ND	ND	ND
H8-1'	1'	ND	ND	ND	ND	ND	ND	ND
H8-2'	2'	ND	ND	ND	ND	ND	ND	ND
H8-4'	4'	ND	ND	ND	ND	ND	ND	ND

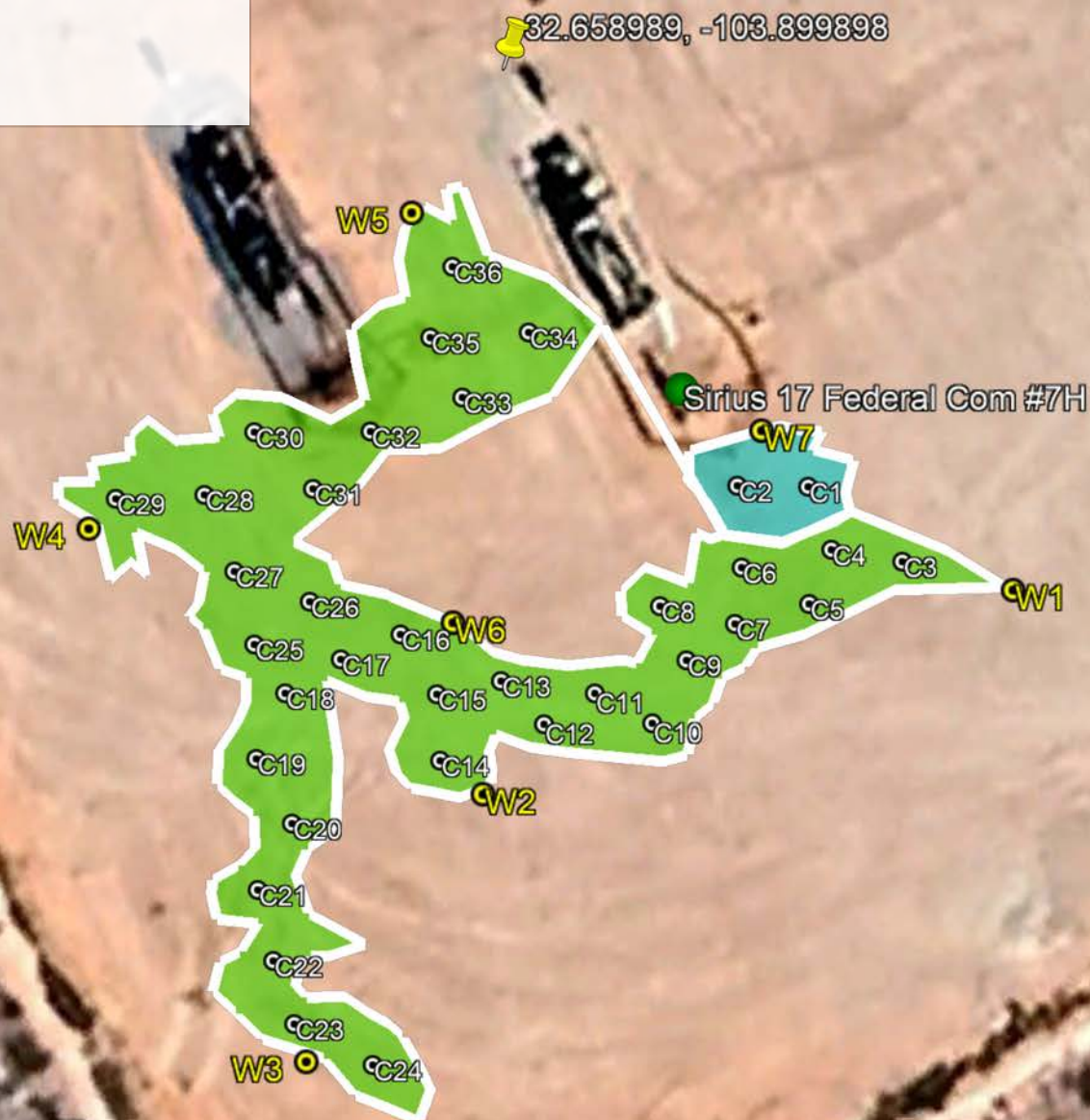
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY - Sirius 17 Federal Com #7H - nAPP2425352986								
Date: 11/13/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
C1-1.5'	1.5'	ND	ND	ND	ND	ND	ND	64.4
C2-1.5'	1.5'	ND	ND	ND	ND	ND	ND	108
C3-1'	1'	ND	ND	ND	54.6	ND	54.6	1130
C4-1'	1'	ND	ND	ND	ND	ND	ND	492
C5-1'	1'	ND	ND	ND	ND	ND	ND	2780
C6-1'	1'	0.0889	ND	ND	ND	ND	ND	2870
C7-1'	1'	0.072	ND	ND	ND	ND	ND	3030
C8-1'	1'	ND	ND	ND	ND	ND	ND	3030
C9-1'	1'	ND	ND	ND	31.3	ND	31.3	860
C10-1'	1'	ND	ND	ND	ND	ND	ND	25.6
C11-1'	1'	ND	ND	ND	ND	ND	ND	24.1
C12-1'	1'	ND	ND	ND	ND	ND	ND	20.7
C13-1'	1'	ND	ND	ND	ND	ND	ND	21.6
C14-1'	1'	ND	ND	ND	ND	ND	ND	26.9
C15-1'	1'	ND	ND	ND	ND	ND	ND	ND
C16-1'	1'	0.0781	ND	ND	27.4	ND	27.4	746
C17-1'	1'	ND	ND	ND	25.5	ND	25.5	300
C18-1'	1'	ND	ND	ND	291	102	393	867
C19-1'	1'	ND	ND	ND	ND	ND	ND	862
C20-1'	1'	ND	ND	ND	ND	ND	ND	999
C21-1'	1'	ND	ND	ND	53.6	ND	53.6	751
C22-1'	1'	ND	ND	ND	27.6	ND	27.6	828
C23-1'	1'	ND	ND	ND	ND	ND	ND	1220
C24-1'	1'	ND	ND	ND	29	ND	ND	955
C25-1'	1'	ND	ND	ND	30	ND	30	837
C26-1'	1'	ND	ND	ND	37.6	ND	ND	1090
C27-1'	1'	ND	ND	ND	ND	ND	ND	955
C28-1'	1'	ND	ND	ND	ND	ND	ND	782
C29-1'	1'	ND	ND	ND	102	60.2	162.2	900
C30-1'	1'	ND	ND	ND	38.3	ND	38.3	970
C31-1'	1'	ND	ND	ND	ND	ND	ND	739
C32-1'	1'	ND	ND	ND	37.3	ND	37.3	762
C33-1'	1'	ND	ND	ND	ND	ND	ND	687
C34-1'	1'	ND	ND	ND	82.1	ND	82.1	894
C35-1'	1'	ND	ND	ND	55.3	ND	55.3	998
C36-1'	1'	ND	ND	ND	ND	ND	ND	904
W1-1'	1'	ND	ND	ND	ND	ND	ND	1370
W2-1'	1'	ND	ND	ND	29	ND	29	692
W3-1'	1'	ND	ND	ND	56	ND	56	878
W4-1'	1'	ND	ND	ND	29.7	ND	29.7	615
W5-1'	1'	ND	ND	ND	ND	ND	ND	681
W6-1'	1'	ND	ND	ND	ND	ND	ND	770
W7-1.5'	1.5'	ND	ND	ND	33.3	ND	ND	755

Sirius 17 Federal Com #7H

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

Legend

- 1' Excavation - 6,707 sqft
- 1.5' Excavation - 290 sqft
- Composite base samples
- Composite wall samples



Google Earth

Image © 2024 Airbus
Released to Imaging: 12/9/2024 3:54:44 PM

90 ft

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		
					Y N		
					Y N		
					Y N		
					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):	0.00
	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;"> <i>Jack Atkins</i> Jackie D. Atkins 8/4/2022 </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> SIGNATURE OF DRILLER / PRINT SIGNEE NAME DATE </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		TRN NO.	726167
19.31.18.432		WELL TAG ID NO.	_____
		PAGE 2 OF 2	

OSE POD Location Map



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

GIS WATERS PODs

- Active
- Pending

● Plugged

□ OSE District Boundary

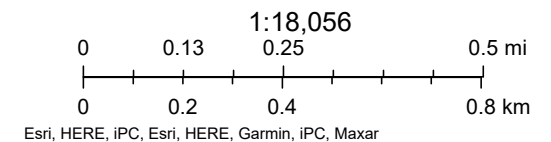
New Mexico State Trust Lands

■ Both Estates

NHD Flowlines

— Artificial Path

- Connector
- Stream River





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

National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

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.

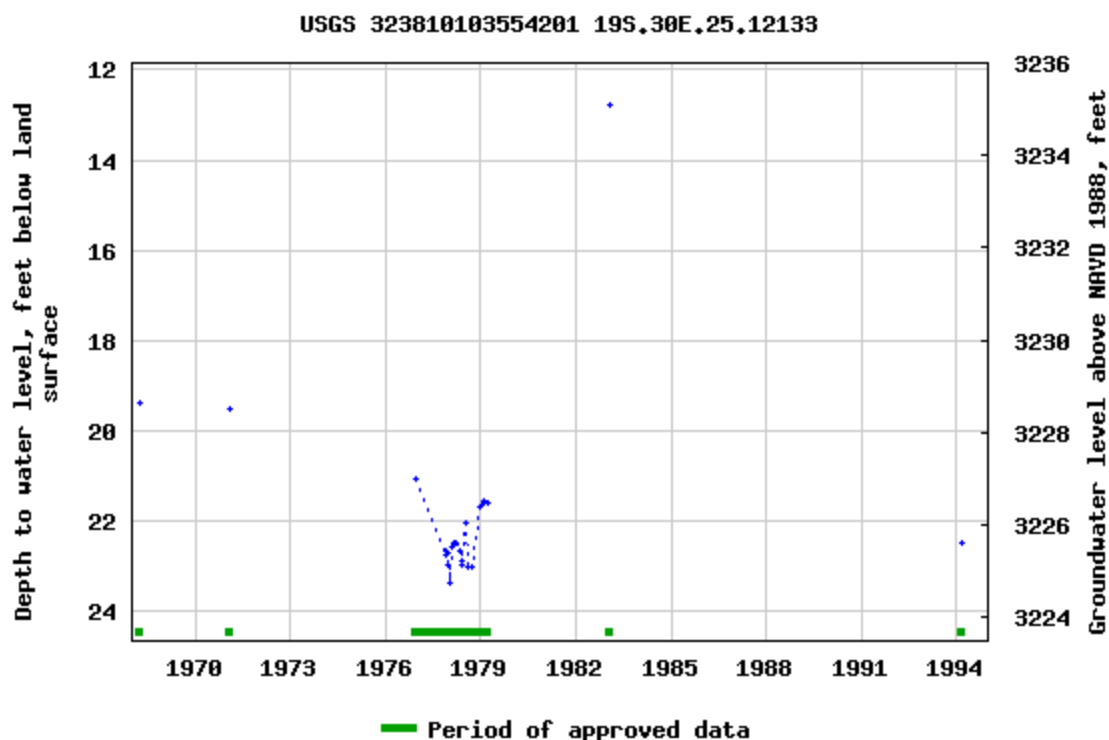
Output formats

[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.
[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[Accessibility](#)

[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

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

Title: Groundwater for USA: Water Levels

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



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

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

0.65 0.47 nadww02





National Water Information System: Mapper



Sirius 17 Federal Com #7H

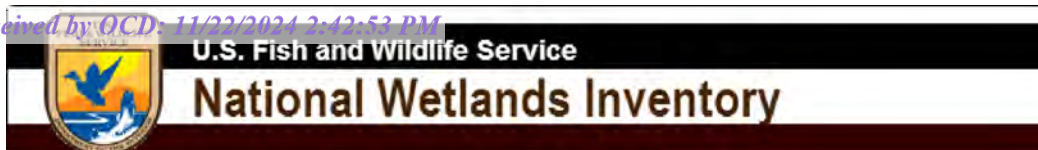
Devon Energy
API #30-015-41762
Eddy County, NM
nAPP2425352986
Surface Water Map

Legend

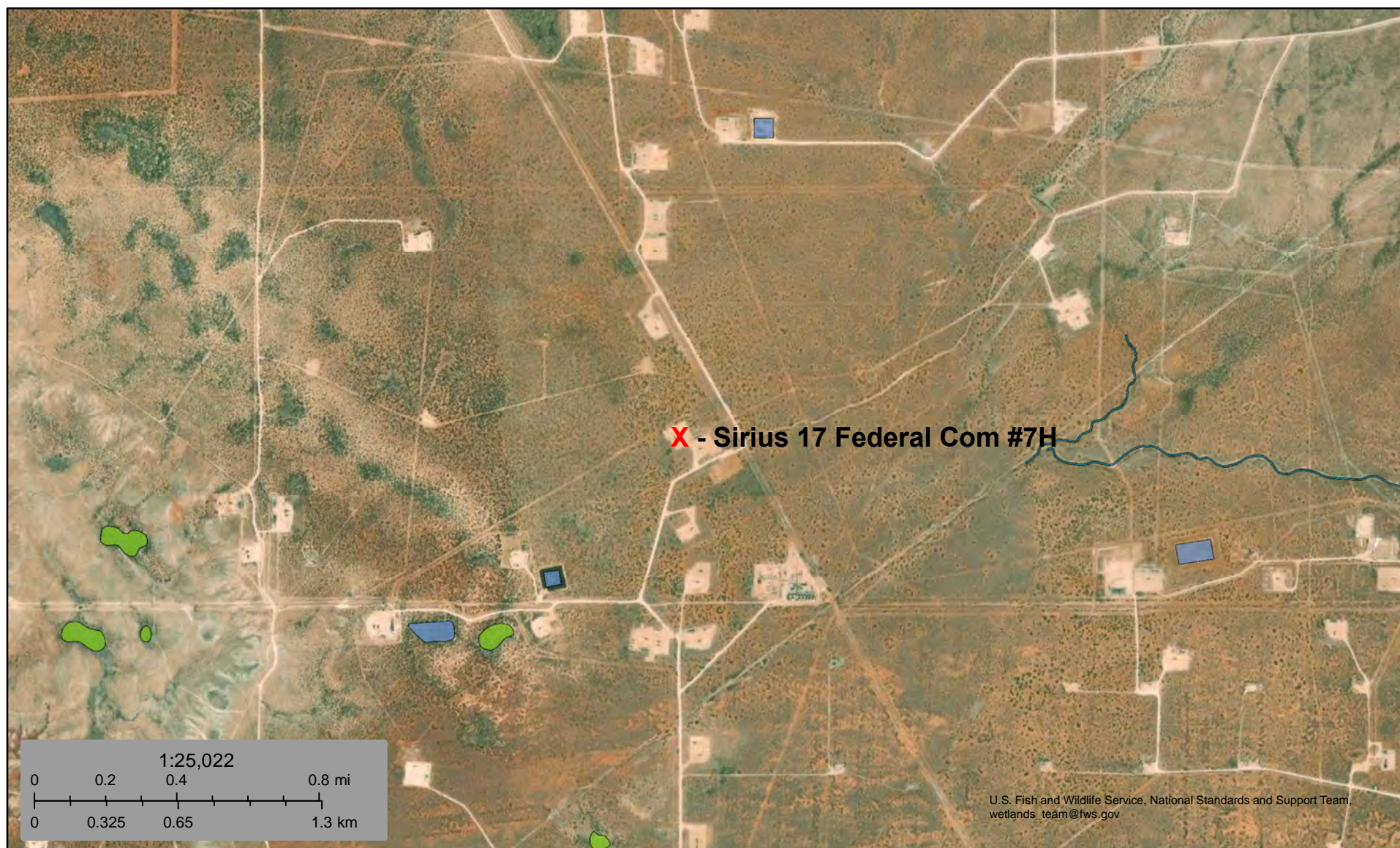
-  2.31 Miles
-  Hackberry Lake



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 FIRMette



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: 12/9/2024 3:34:44 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		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
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

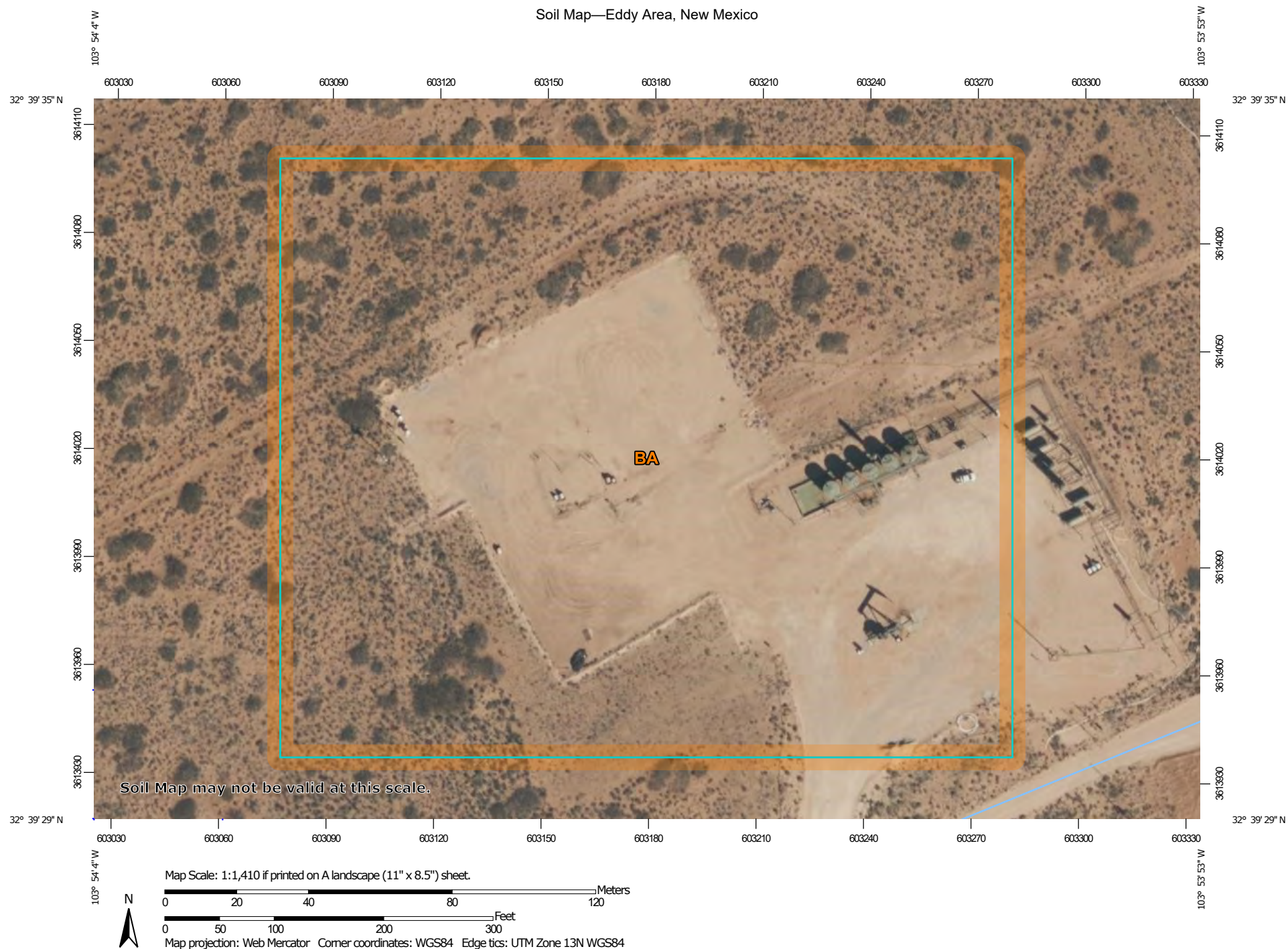
Percent of map unit: 1 percent
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Data Source Information

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



Soil Map—Eddy Area, New Mexico



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.

Soil Map—Eddy Area, New Mexico




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

Image © 2024 Airbus
Released to Imaging: 12/9/2024 3:54:44 PM



4000 ft

Appendix C

48-Hour Notifications

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

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 401315

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 401315
	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	Remediation Plan Approved
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	6,997
What is the estimated number of samples that will be gathered	43
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/13/2024
Time sampling will commence	01:30 PM
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	32.658989, -103.899898

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 401315

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 401315
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jraleay	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.	11/11/2024

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

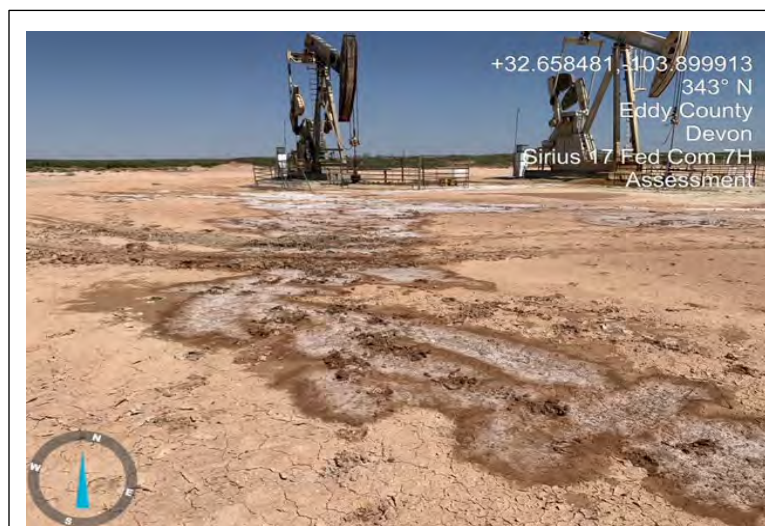


Assessment 1

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



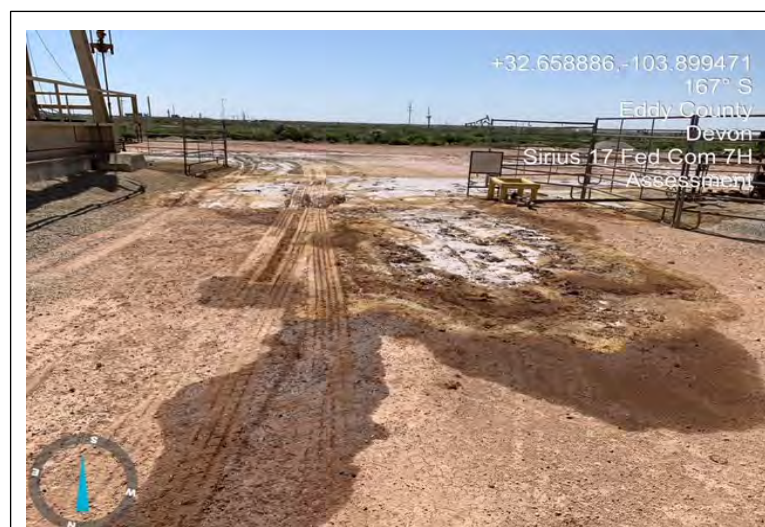
Assessment 2



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

Devon Energy Production, LP

Photographic Documentation

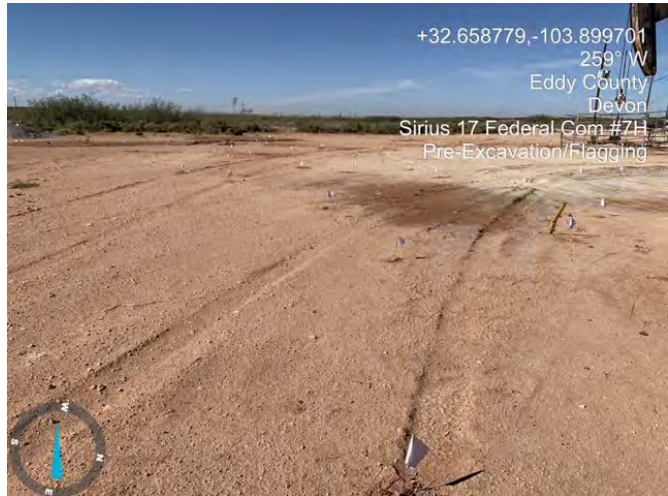
Sirius 17 Federal Com #7H – nAPP2425352986



Flagging/Marking 1



Flagging/Marking 2



Flagging/Marking 3



Flagging/Marking 4

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



Kickoff Excavation 1



Kickoff Excavation 2



Kickoff Excavation 3



Kickoff Excavation 4

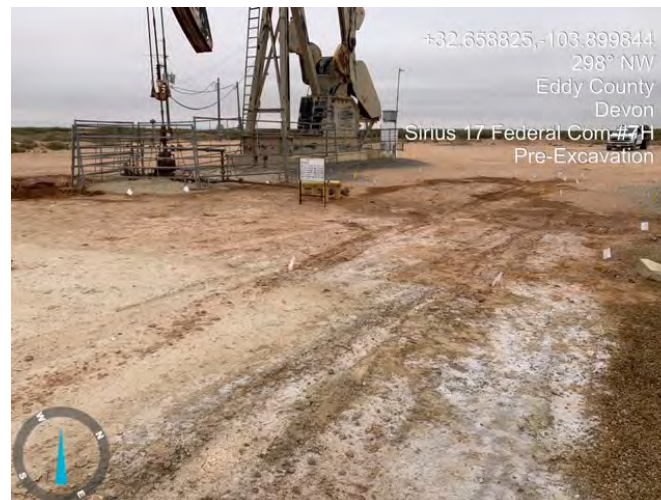
Devon Energy Production, LP

Photographic Documentation

Sirius 17 Federal Com #7H – nAPP2425352986



Kickoff Excavation 5



Kickoff Excavation 6



Rain Delay 1



Rain Delay 2

Devon Energy Production, LP

Photographic Documentation

Sirius 17 Federal Com #7H – nAPP2425352986



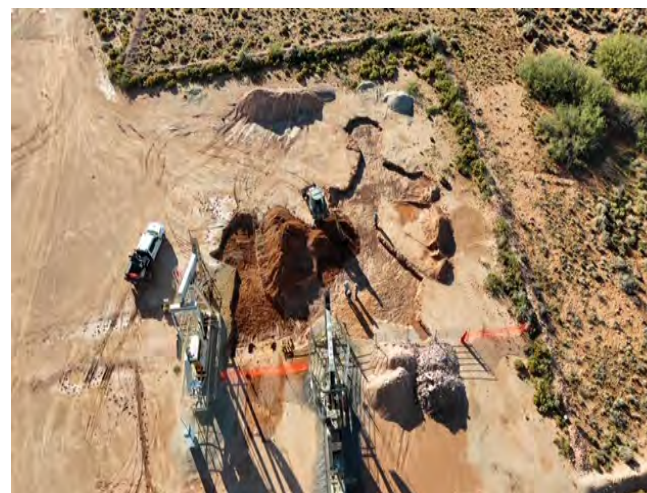
Rain Delay 3



Rain Delay 4



Excavation Aerial 1



Excavation Aerial 2

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



Excavation Aerial 3



Excavation Aerial 4



Resume Excavation 1



Resume Excavation 2

Devon Energy Production, LP

Photographic Documentation

Sirius 17 Federal Com #7H – nAPP2425352986



Resume Excavation 3



Resume Excavation 4



Resume Excavation 5



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



Resume Aerial 2



Resume Aerial 3



Backfill 1



Backfill 2

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



Backfill 3



Backfill 4

Appendix E

Laboratory Reports

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)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - Surface	6
S1 - 1'	7
S1 - 2'	8
S1 - 4'	9
S2 - Surface	10
S2 - 1'	11
S2 - 2'	12
S2 - 4'	13
S3 - Surface	14
S3 - 1'	15
S3 - 2'	16
S3 - 4'	17
S4 - Surface	18
S4 - 1'	19
S4 - 2'	20
S4 - 4'	21
S5 - Surface	22
S5 - 1'	23
S5 - 2'	24
S5 - 4'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organic Compounds by EPA 8260B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/19/24	09/20/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	09/19/24	09/20/24	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	09/19/24	09/20/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		93.0 %	70-130	09/19/24	09/20/24	
<i>Surrogate: Toluene-d8</i>		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	
<i>Surrogate: n-Nonane</i>		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
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 - 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	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	

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	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	

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	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	

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

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

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				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:		E4091121		01058.0007						X				
Address: 5614 N. Lovington Hwy.				City, State, Zip		CM		Analysis and Method						RCRA				
City, State, Zip Hobbs, NM. 88240				Phone:														
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	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State				
														NM	CO	UT	AZ	TX
														X				
Remarks																		
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						
[Signature]		9-13-24		1210		[Signature]		9-13-24		1800		Received on ice: 0/ 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		Caitlin Man		9-16-24		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.																		

Client: Pima Environmental Services				Bill To				Lab Use Only				TAT				EPA Program											
Project: Sirius 17 Federal Com #7H				Attention: Devon Energy				Lab WO#				1D 2D 3D Standard				CWA SDWA											
Project Manager: Tom Bynum				Address:				E409111				Job Number				01058-0007											
Address: 5614 N. Lovington Hwy.				City, State, Zip				Analysis and Method				X				RCRA											
City, State, Zip Hobbs, NM. 88240				Phone:				DRO/ORO by 8015				BTEX by 8021				State											
Phone: 806-782-1151				Email:				VOC by 8260				Metals 6010				NM CO UT AZ TX											
Email: tom@pimaoil.com				Pima Project # 1-376 (nAPP2425352986)				Chloride 300.0				BGDOC NM				X											
Report due by:																Remarks											
Time Sampled		Date Sampled		Matrix		No. of Containers		Sample ID		Lab Number		DRO/ORO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		BGDOC TX			
7:56		9/12		S		1		S3-2'		11												X					
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) <i>Larime Hame</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>2400</i>														Received by: (Signature) <i>[Signature]</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.																											

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



5796 U.S. Hwy 64
Farmington, NM 87401

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



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

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

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)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S6 - Surface	6
S6 - 1'	7
S6 - 2'	8
S6 - 4'	9
S7 - Surface	10
S7 - 1'	11
S7 - 2'	12
S7 - 4'	13
S8 - Surface	14
S8 - 1'	15
S8 - 2'	16
S8 - 4'	17
S9 - Surface	18
S9 - 1'	19
S9 - 2'	20
S9 - 4'	21
S10 - Surface	22
S10 - 1'	23
S10 - 2'	24
S10 - 4'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

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
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 - 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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
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 - 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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
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 - 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	
<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>						
	96.2 %	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	
<i>Surrogate: n-Nonane</i>						
	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
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 - 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<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>						
	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
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 - 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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
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 - 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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
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 - 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<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>						
	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
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

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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<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)	3970	50.0	2	09/14/24	09/17/24	
Oil Range Organics (C28-C36)	1870	100	2	09/14/24	09/17/24	
<i>Surrogate: n-Nonane</i>						
	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
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

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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	
<i>Surrogate: n-Nonane</i>						
	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
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

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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<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>						
	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
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

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

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

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

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#		Job Number		1D	2D	3D	Standard	CWA	SDWA				
Project Manager: Tom Bynum					Address:		E409 112		01058-0007					X						
Address: 5614 N. Lovington Hwy.					City, State, Zip		Analysis and Method										RCRA			
City, State, Zip Hobbs, NM. 88240					Phone:		DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0								
Phone: 806-782-1151					Email:									NM	TX					
Email: tom@pimaoil.com					Pima Project # 1-376 (nAPP2425352986)									State	NM	CO	UT	AZ	TX	
Report due by:														Remarks	X					
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number															
9:20	9/12	S	1	S6-Surface	1										X					
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.												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								
K. Adams		9.13.24		1210		[Signature]		9.13.24		1210		Received on Ice: <input checked="" type="checkbox"/> Y / N								
[Signature]		9.13.24		1000		[Signature]		9.13.24		1800		T1 T2 T3								
[Signature]		9.13.24		2400		Cecilia 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.																				

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:																		X																											
Address: 5614 N. Lovington Hwy.				City, State, Zip				Analysis and Method																RCRA																									
City, State, Zip Hobbs, NM. 88240				Phone:																																													
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		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BGDOC NM		BGDOC TX		State																					
																												NM CO UT AZ TX																					
																												X																					
																												Remarks																					
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) Karime Adams														Date 9.13.24		Time 12:10		Received by: (Signature) [Signature]														Date 9.13.24		Time 12:10		Lab Use Only													
Relinquished by: (Signature) [Signature]														Date 9.13.24		Time 1:00		Received by: (Signature) [Signature]														Date 9.13.24		Time 1:00		Received on Ice: Y / N													
Relinquished by: (Signature) [Signature]														Date 9.13.24		Time 2:40		Received by: (Signature) [Signature]														Date 9.13.24		Time 7:30		T1 T2 T3													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other														Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA														AVG Temp °C 4																					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																																																	

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
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)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S11 - Surface	6
S11 - 1'	7
S11 - 2'	8
S11 - 4'	9
S12 - Surface	10
S12 - 1'	11
S12 - 2'	12
S12 - 4'	13
S13 - Surface	14
S13 - 1'	15
S13 - 2'	16
S13 - 4'	17
S14 - Surface	18
S14 - 1'	19
S14 - 2'	20
S14 - 4'	21
S15 - Surface	22
S15 - 1'	23
S15 - 2'	24
S15 - 4'	25

Table of Contents (continued)

H1-Comp	26
H2-Comp	27
H3-Comp	28
H4-Comp	29
H5-Comp	30
H6-Cmp	31
H7-Comp	32
H8-Comp	33
BG1-1'	34
BG2-1'	35
QC Summary Data	36
QC - Volatile Organic Compounds by EPA 8260B	36
QC - Nonhalogenated Organics by EPA 8015D - GRO	38
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	40
QC - Anions by EPA 300.0/9056A	42
Definitions and Notes	44
Chain of Custody etc.	45

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	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	

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	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	

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	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	

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	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	

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

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
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

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
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

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
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

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

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			



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

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

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

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

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

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									X							
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>Carine Afame</i> Date 9.13.24 Time 12:10 Relinquished by: (Signature) <i>[Signature]</i> Date 9.13.24 Time 16:00 Relinquished by: (Signature) <i>J.H.</i> Date 9.13.24 Time 24:00										Received by: (Signature) <i>[Signature]</i> Date 9.13.24 Time 12:10 Received by: (Signature) <i>[Signature]</i> Date 9.13.24 Time 18:00 Received by: (Signature) <i>Caithman</i> 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 6 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# E409113				Job Number 010580007				1D		2D		3D		Standard		CWA		SDWA					
Project Manager: Tom Bynum				Address:		Analysis and Method				X														RCRA					
Address: 5614 N. Lovington Hwy.				City, State, Zip																									
City, State, Zip Hobbs, NM, 88240				Phone:																									
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	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	NM	BGDOC	TX	State													
																	NM	CO	UT	AZ	TX								
																	X												
																	Remarks												
12:04	9/12	S	1	S13-2'	11								X																
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)				Date		Time		Received by: (Signature)				Date		Time		Lab Use Only													
Karime Adams				9.13.24		1210		C. P. Adams				9.13.24		1210		Received on ice: <input checked="" type="checkbox"/> N													
C. P. Adams				9.13.24		1200		J. M.				9.13.24		1800		T1 T2 T3													
J. M.				9.13.24		2400		Caithe M...				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.																													

Project Information

Chain of Custody

Page 7 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:		E409113		01058 0007								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/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		BDOC NM		BDOC TX			
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																		
1:07	9/12	S	1	H1-Comp	21																		
1:12				H2-Comp	22																		
1:17				H3-Comp	23																		
1:23				H4-Comp	24																		
1:30				H5-Comp	25																		
1:36				H6-Comp	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.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.											
Sampled by:												Lab Use Only											
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		Received on ice: <input checked="" type="checkbox"/> N							
Karime Adams				9.13.24		1210		C. R.				9.13.24		1210									
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		T1 T2 T3							
C. R.				9.13.24		1600		J. H.				9.13.24		1800									
Relinquished by: (Signature)				Date		Time		Received by: (Signature)				Date		Time		AVG Temp °C							
J. H.				9.13.24		2400		C. R. M.				9.13.24		1:30		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 10:41:59AM

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.

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: E409290

Job Number: 01058-0007

Received: 10/1/2024

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/4/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/4/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Sirius 17 Federal Com #7H
Workorder: E409290
Date Received: 10/1/2024 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/1/2024 8:00:00AM, 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)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
H1 - Surface	6
H1-1'	7
H1-2'	8
H1-4'	9
H2 - Surface	10
H2-1'	11
H2-2'	12
H2-4'	13
H3 - Surface	14
H3-1'	15
H3-2'	16
H3-4'	17
H4 - Surface	18
H4-1'	19
H4-2'	20
H4-4'	21
H5 - Surface	22
H5-1'	23
H5-2'	24
H5-4'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

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	10/04/24 14:20

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
H1 - Surface	E409290-01A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H1-1'	E409290-02A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H1-2'	E409290-03A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H1-4'	E409290-04A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H2 - Surface	E409290-05A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H2-1'	E409290-06A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H2-2'	E409290-07A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H2-4'	E409290-08A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H3 - Surface	E409290-09A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H3-1'	E409290-10A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H3-2'	E409290-11A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H3-4'	E409290-12A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H4 - Surface	E409290-13A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H4-1'	E409290-14A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H4-2'	E409290-15A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H4-4'	E409290-16A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H5 - Surface	E409290-17A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H5-1'	E409290-18A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H5-2'	E409290-19A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H5-4'	E409290-20A	Soil	09/28/24	10/01/24	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:
10/4/2024 2:20:48PM

H1 - Surface

E409290-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: RKS		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/04/24	
Toluene	ND	0.0250	1	10/01/24	10/04/24	
o-Xylene	ND	0.0250	1	10/01/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/04/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.4 %	70-130	10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/04/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/02/24	
<i>Surrogate: n-Nonane</i>		104 %	50-200	10/01/24	10/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/4/2024 2:20:48PM

H1-1'

E409290-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.3 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H1-2'
E409290-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.3 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/4/2024 2:20:48PM

H1-4'

E409290-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.3 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H2 - Surface
E409290-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
Surrogate: 4-Bromochlorobenzene-PID	88.6 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
Surrogate: n-Nonane	106 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H2-1'

E409290-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.9 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/4/2024 2:20:48PM

H2-2'

E409290-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.0 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H2-4'

E409290-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/4/2024 2:20:48PM

H3 - Surface

E409290-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.4 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.8 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H3-1'

E409290-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.2 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.8 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/4/2024 2:20:48PM

H3-2'

E409290-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.8 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.5 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H3-4'

E409290-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.2 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.4 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/4/2024 2:20:48PM

H4 - Surface

E409290-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H4-1'

E409290-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.6 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/4/2024 2:20:48PM

H4-2'

E409290-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.9 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H4-4'

E409290-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/04/24	
Toluene	ND	0.0250	1	10/01/24	10/04/24	
o-Xylene	ND	0.0250	1	10/01/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/04/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/04/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.0 %	70-130		10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H5 - Surface
E409290-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/04/24	
Toluene	ND	0.0250	1	10/01/24	10/04/24	
o-Xylene	ND	0.0250	1	10/01/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID	91.6 %	70-130		10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.4 %	70-130		10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
Surrogate: n-Nonane	108 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H5-1'
E409290-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/04/24	
Toluene	ND	0.0250	1	10/01/24	10/04/24	
o-Xylene	ND	0.0250	1	10/01/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/04/24	
Surrogate: 4-Bromochlorobenzene-PID	92.2 %	70-130		10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/04/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.3 %	70-130		10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
Surrogate: n-Nonane	109 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/4/2024 2:20:48PM

H5-2'

E409290-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/04/24	
Toluene	ND	0.0250	1	10/01/24	10/04/24	
o-Xylene	ND	0.0250	1	10/01/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/04/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/04/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/4/2024 2:20:48PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H5-4'

E409290-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Benzene	ND	0.0250	1	10/01/24	10/04/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/04/24	
Toluene	ND	0.0250	1	10/01/24	10/04/24	
o-Xylene	ND	0.0250	1	10/01/24	10/04/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/04/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/04/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.4 %	70-130		10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2440027	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/04/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.3 %	70-130		10/01/24	10/04/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2440042	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/01/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/01/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		10/01/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2440037	
Chloride	ND	20.0	1	10/01/24	10/01/24	



QC Summary 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: 10/4/2024 2:20:48PM
-----------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------	----------------------------------

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

Blank (2440027-BLK1)

Prepared: 10/01/24 Analyzed: 10/03/24

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	7.29		8.00		91.1	70-130			

LCS (2440027-BS1)

Prepared: 10/01/24 Analyzed: 10/03/24

Benzene	4.61	0.0250	5.00		92.2	70-130			
Ethylbenzene	4.36	0.0250	5.00		87.3	70-130			
Toluene	4.49	0.0250	5.00		89.8	70-130			
o-Xylene	4.37	0.0250	5.00		87.4	70-130			
p,m-Xylene	8.83	0.0500	10.0		88.3	70-130			
Total Xylenes	13.2	0.0250	15.0		88.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.41		8.00		92.6	70-130			

Matrix Spike (2440027-MS1)

Source: E409290-01

Prepared: 10/01/24 Analyzed: 10/03/24

Benzene	5.08	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.87	0.0250	5.00	ND	97.5	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.3	63-131			
p,m-Xylene	9.79	0.0500	10.0	ND	97.9	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	98.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.05		8.00		88.2	70-130			

Matrix Spike Dup (2440027-MSD1)

Source: E409290-01

Prepared: 10/01/24 Analyzed: 10/03/24

Benzene	4.89	0.0250	5.00	ND	97.8	54-133	3.76	20	
Ethylbenzene	4.67	0.0250	5.00	ND	93.3	61-133	4.34	20	
Toluene	4.78	0.0250	5.00	ND	95.5	61-130	4.78	20	
o-Xylene	4.67	0.0250	5.00	ND	93.3	63-131	5.15	20	
p,m-Xylene	9.42	0.0500	10.0	ND	94.2	63-131	3.90	20	
Total Xylenes	14.1	0.0250	15.0	ND	93.9	63-131	4.32	20	
Surrogate: 4-Bromochlorobenzene-PID	7.03		8.00		87.8	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	10/4/2024 2:20:48PM

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

Blank (2440027-BLK1) Prepared: 10/01/24 Analyzed: 10/03/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.80		8.00		97.5	70-130			

LCS (2440027-BS2) Prepared: 10/01/24 Analyzed: 10/03/24

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0		83.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.8	70-130			

Matrix Spike (2440027-MS2) Source: E409290-01 Prepared: 10/01/24 Analyzed: 10/03/24

Gasoline Range Organics (C6-C10)	38.5	20.0	50.0	ND	77.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.10		8.00		101	70-130			

Matrix Spike Dup (2440027-MSD2) Source: E409290-01 Prepared: 10/01/24 Analyzed: 10/03/24

Gasoline Range Organics (C6-C10)	39.7	20.0	50.0	ND	79.5	70-130	3.21	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.07		8.00		101	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	10/4/2024 2:20:48PM

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 (2440042-BLK1)					Prepared: 10/01/24 Analyzed: 10/02/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.2		50.0		110	50-200			

LCS (2440042-BS1)					Prepared: 10/01/24 Analyzed: 10/02/24				
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	53.0		50.0		106	50-200			

Matrix Spike (2440042-MS1)					Source: E409290-01		Prepared: 10/01/24 Analyzed: 10/02/24		
Diesel Range Organics (C10-C28)	281	25.0	250	ND	112	38-132			
Surrogate: n-Nonane	53.0		50.0		106	50-200			

Matrix Spike Dup (2440042-MSD1)					Source: E409290-01		Prepared: 10/01/24 Analyzed: 10/02/24		
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132	6.66	20	
Surrogate: n-Nonane	49.7		50.0		99.4	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	10/4/2024 2:20:48PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2440037-BLK1)					Prepared: 10/01/24 Analyzed: 10/01/24				
Chloride	ND	20.0							
LCS (2440037-BS1)					Prepared: 10/01/24 Analyzed: 10/01/24				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2440037-MS1)					Source: E409290-05		Prepared: 10/01/24 Analyzed: 10/01/24		
Chloride	258	20.0	250	ND	103	80-120			
Matrix Spike Dup (2440037-MSD1)					Source: E409290-05		Prepared: 10/01/24 Analyzed: 10/01/24		
Chloride	254	20.0	250	ND	101	80-120	1.52	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	10/04/24 14:20

- 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.



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# E409290 Job Number 0058-0007
1D 2D 3D Standard X
CWA SDWA

Analysis and Method
RCRA

State
NM CO UT AZ TX
X

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
7:15	9/28	S	1	H1-Surface	1							X		
7:23				H1-1'	2									
7:29				H1-2'	3									
7:38				H1-4'	4									
7:43				H2-Surface	5									
7:56				H2-1'	6									
8:11				H2-2'	7									
8:19				H2-4'	8									
8:28				H3-Surface	9									
8:30				H3-1'	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.

Sampled by:

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

Relinquished by: (Signature) Farine Adame	Date 9.30.24	Time 1240	Received by: (Signature) [Signature]	Date 9.30.24	Time 1240	Lab Use Only Received on ice: 0 / N
Relinquished by: (Signature) [Signature]	Date 9.30.24	Time 1600	Received by: (Signature) [Signature]	Date 9.30.24	Time 1730	T1 T2 T3
Relinquished by: (Signature) [Signature]	Date 9.30.24	Time 2400	Received by: (Signature) [Signature]	Date 10.1.24	Time 8:00	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.

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		TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA
E409290	0058-0007				X		
Analysis and Method							RCRA

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	State	Remarks
8:36	9/28	S	1	H3-2'	11							X		NM	
8:40				H3-4'	12									CO	
8:44				H4-Surface	13									UT	
8:49				H4-1'	14									AZ	
8:56				H4-2'	15									TX	
9:01				H4-4'	16										
9:08				H5-Surface	17										
9:11				H5-1'	18										
9:17				H5-2'	19										
9:21				H5-4'	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.

Sampled by:

Relinquished by: (Signature) Karime Adams	Date 9.30.24	Time 12:40	Received by: (Signature) C. Paine	Date 9.30.24	Time 12:40	Lab Use Only Received on ice: <input checked="" type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) C. Paine	Date 9.30.24	Time 16:15	Received by: (Signature) John H.	Date 9.30.24	Time 17:30	
Relinquished by: (Signature) John H.	Date 9.30.24	Time 24:00	Received by: (Signature) Caitlin Mon	Date 10.1.24	Time 8:00	

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

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

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

Envirotech Analytical Laboratory

Printed: 10/1/2024 10:37:51AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	10/01/24 08:00	Work Order ID:	E409290
Phone:	(575) 631-6977	Date Logged In:	09/30/24 14:01	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/07/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project Sirius 17 Federal Com #7H has been separated into 2 reports due to sample volume. WO are E409290 & E409291. Sampled by not provided on COC per client.

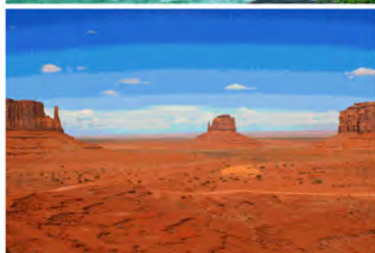
Signature of client authorizing changes to the COC or sample disposition.

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: E409291

Job Number: 01058-0007

Received: 10/1/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
10/7/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 10/7/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Sirius 17 Federal Com #7H
Workorder: E409291
Date Received: 10/1/2024 8:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 10/1/2024 8:00:00AM, 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)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
H6 - Surface	5
H6-1'	6
H6-2'	7
H6-4'	8
H7 - Surface	9
H7-1'	10
H7-2'	11
H7-4'	12
H8 - Surface	13
H8-1'	14
H8-2'	15
H8-4'	16
QC Summary Data	17
QC - Volatile Organics by EPA 8021B	17
QC - Nonhalogenated Organics by EPA 8015D - GRO	18
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	19
QC - Anions by EPA 300.0/9056A	20
Definitions and Notes	21
Chain of Custody etc.	22

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/07/24 09:01
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
H6 - Surface	E409291-01A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H6-1'	E409291-02A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H6-2'	E409291-03A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H6-4'	E409291-04A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H7 - Surface	E409291-05A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H7-1'	E409291-06A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H7-2'	E409291-07A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H7-4'	E409291-08A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H8 - Surface	E409291-09A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H8-1'	E409291-10A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H8-2'	E409291-11A	Soil	09/28/24	10/01/24	Glass Jar, 2 oz.
H8-4'	E409291-12A	Soil	09/28/24	10/01/24	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:
10/7/2024 9:01:47AM

H6 - Surface

E409291-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.5 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/7/2024 9:01:47AM

H6-1'

E409291-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.0 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
		104 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/7/2024 9:01:47AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H6-2'

E409291-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.6 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
<i>Surrogate: n-Nonane</i>		109 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/7/2024 9:01:47AM

H6-4'

E409291-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		96.1 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
<i>Surrogate: n-Nonane</i>		99.4 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/7/2024 9:01:47AM

H7 - Surface

E409291-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.4 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
		98.3 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/7/2024 9:01:47AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H7-1'

E409291-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/02/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/02/24	
Toluene	ND	0.0250	1	10/01/24	10/02/24	
o-Xylene	ND	0.0250	1	10/01/24	10/02/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/02/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/02/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		10/01/24	10/02/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	95.9 %	70-130		10/01/24	10/02/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane	100 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/7/2024 9:01:47AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H7-2'

E409291-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
Surrogate: 4-Bromochlorobenzene-PID		104 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane		102 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/7/2024 9:01:47AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H7-4'

E409291-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.0 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
<i>Surrogate: n-Nonane</i>		99.3 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/7/2024 9:01:47AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H8 - Surface
E409291-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
Surrogate: 4-Bromochlorobenzene-PID		103 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.0 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
Surrogate: n-Nonane		99.7 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/7/2024 9:01:47AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H8-1'

E409291-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.8 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
<i>Surrogate: n-Nonane</i>		101 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 10/7/2024 9:01:47AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

H8-2'

E409291-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		104 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.7 %	70-130	10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
<i>Surrogate: n-Nonane</i>		99.2 %	50-200	10/02/24	10/03/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/01/24	



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:
10/7/2024 9:01:47AM

H8-4'

E409291-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Benzene	ND	0.0250	1	10/01/24	10/03/24	
Ethylbenzene	ND	0.0250	1	10/01/24	10/03/24	
Toluene	ND	0.0250	1	10/01/24	10/03/24	
o-Xylene	ND	0.0250	1	10/01/24	10/03/24	
p,m-Xylene	ND	0.0500	1	10/01/24	10/03/24	
Total Xylenes	ND	0.0250	1	10/01/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2440028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	10/01/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.5 %	70-130		10/01/24	10/03/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: AF		Batch: 2440057	
Diesel Range Organics (C10-C28)	ND	25.0	1	10/02/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	10/02/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		10/02/24	10/03/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440048	
Chloride	ND	20.0	1	10/01/24	10/02/24	



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	10/7/2024 9:01:47AM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2440028-BLK1)Prepared: 10/01/24 Analyzed: 10/02/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.87		8.00		98.4	70-130			

LCS (2440028-BS1)Prepared: 10/01/24 Analyzed: 10/02/24

Benzene	4.59	0.0250	5.00		91.7	70-130			
Ethylbenzene	4.37	0.0250	5.00		87.3	70-130			
Toluene	4.48	0.0250	5.00		89.6	70-130			
o-Xylene	4.36	0.0250	5.00		87.2	70-130			
p,m-Xylene	8.87	0.0500	10.0		88.7	70-130			
Total Xylenes	13.2	0.0250	15.0		88.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	70-130			

Matrix Spike (2440028-MS1)Source: E409291-06Prepared: 10/01/24 Analyzed: 10/02/24

Benzene	5.12	0.0250	5.00	ND	102	54-133			
Ethylbenzene	4.91	0.0250	5.00	ND	98.2	61-133			
Toluene	5.01	0.0250	5.00	ND	100	61-130			
o-Xylene	4.90	0.0250	5.00	ND	98.0	63-131			
p,m-Xylene	9.94	0.0500	10.0	ND	99.4	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	99.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.13		8.00		102	70-130			

Matrix Spike Dup (2440028-MSD1)Source: E409291-06Prepared: 10/01/24 Analyzed: 10/02/24

Benzene	5.56	0.0250	5.00	ND	111	54-133	8.35	20	
Ethylbenzene	5.31	0.0250	5.00	ND	106	61-133	7.89	20	
Toluene	5.45	0.0250	5.00	ND	109	61-130	8.25	20	
o-Xylene	5.33	0.0250	5.00	ND	107	63-131	8.46	20	
p,m-Xylene	10.7	0.0500	10.0	ND	107	63-131	7.70	20	
Total Xylenes	16.1	0.0250	15.0	ND	107	63-131	7.95	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	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	10/7/2024 9:01:47AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2440028-BLK1) Prepared: 10/01/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.1	70-130			

LCS (2440028-BS2) Prepared: 10/01/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0		87.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.3	70-130			

Matrix Spike (2440028-MS2) Source: E409291-06 Prepared: 10/01/24 Analyzed: 10/03/24

Gasoline Range Organics (C6-C10)	41.1	20.0	50.0	ND	82.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.78		8.00		97.3	70-130			

Matrix Spike Dup (2440028-MSD2) Source: E409291-06 Prepared: 10/01/24 Analyzed: 10/03/24

Gasoline Range Organics (C6-C10)	41.7	20.0	50.0	ND	83.4	70-130	1.45	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	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	10/7/2024 9:01:47AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

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

Blank (2440057-BLK1)					Prepared: 10/02/24 Analyzed: 10/03/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.4		50.0		92.8	50-200			

LCS (2440057-BS1)					Prepared: 10/02/24 Analyzed: 10/03/24				
Diesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
Surrogate: n-Nonane	49.5		50.0		99.0	50-200			

Matrix Spike (2440057-MS1)					Source: E409291-08		Prepared: 10/02/24 Analyzed: 10/03/24		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	51.5		50.0		103	50-200			

Matrix Spike Dup (2440057-MSD1)					Source: E409291-08		Prepared: 10/02/24 Analyzed: 10/03/24		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132	0.465	20	
Surrogate: n-Nonane	49.6		50.0		99.2	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	10/7/2024 9:01:47AM

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 (2440048-BLK1)					Prepared: 10/01/24 Analyzed: 10/01/24				
Chloride	ND	20.0							
LCS (2440048-BS1)					Prepared: 10/01/24 Analyzed: 10/01/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2440048-MS1)					Source: E409291-04		Prepared: 10/01/24 Analyzed: 10/01/24		
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2440048-MSD1)					Source: E409291-04		Prepared: 10/01/24 Analyzed: 10/01/24		
Chloride	259	20.0	250	ND	104	80-120	0.224	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	10/07/24 09:01

- 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.



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				TAT				EPA Program	
Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA		
E409291	01058-0057				X				
Analysis and Method							RCRA		
						State			
						NM	CO		
						UT	AZ		
						TX			
						Remarks			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:28	9/28	S	1	H6-Surface	1							X		
9:30				H6-1'	2									
9:36				H6-2'	3									
9:38				H6-4'	4									
9:40				H7-Surface	5									
9:44				H7-1'	6									
9:51				H7-2'	7									
9:56				H7-4'	8									
10:11				H8-Surface	9									
10:17				H8-1'	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.

Sampled by:

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
Karime Adams	9.30.24	1240	[Signature]	9.30.24	1240
[Signature]	9.30.24	1600	[Signature]	9.30.24	1730
[Signature]	9.30.24	2400	[Signature]	10.1.24	8:00

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

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

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

Project Information

Chain of Custody

Page 4 of 4

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:	E409291		01058-0007							X						
Address: 5614 N. Lovington Hwy.	City, State, Zip	Analysis and Method											RCRA				
City, State, Zip Hobbs, NM, 88240	Phone:											State					
Phone: 806-782-1151	Email:	NM		TX								NM	CO	UT	AZ	TX	
Email: tom@pimaoil.com		X															
Report due by:	Pima Project # 1-376 (nAPP2425352986)																

[illegible]**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 mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

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

Relinquished by: (Signature) <i>Karim Adani</i>	Date 9-30-24	Time 1240	Received by: (Signature) <i>[Signature]</i>	Date 9-30-24	Time 1240	Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y / <input type="checkbox"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <i>[Signature]</i>	Date 9-30-24	Time 1600	Received by: (Signature) <i>[Signature]</i>	Date 9-30-24	Time 1730	
Relinquished by: (Signature) <i>[Signature]</i>	Date 9-30-24	Time 2400	Received by: (Signature) <i>[Signature]</i>	Date 10-1-24	Time 8:00	

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

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

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



Envirotech Analytical Laboratory

Printed: 10/1/2024 10:43:49AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	10/01/24 08:00	Work Order ID:	E409291
Phone:	(575) 631-6977	Date Logged In:	09/30/24 14:03	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	10/07/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Sirius 17 Federal Com #7H has been separated into 2 reports due to sample volume. WO are E409290 & E409291. Sampled by not provided on COC per client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? Yes

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client 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: E411157

Job Number: 01058-0007

Received: 11/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/15/24

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: 11/15/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Sirius 17 Federal Com #7H
Workorder: E411157
Date Received: 11/15/2024 6:30:37AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/15/2024 6:30:37AM, 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)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

Michelle Gonzales
Client Representative
Office: 505-421-LABS(5227)
Cell: 505-947-8222
mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
C1-1.5'	6
C2-1.5'	7
C3-1'	8
C4-1'	9
C5-1'	10
C6-1'	11
C7-1'	12
C8-1'	13
C9-1'	14
C10-1'	15
C11-1'	16
C12-1'	17
C13-1'	18
C14-1'	19
C15-1'	20
C16-1'	21
C17-1'	22
C18-1'	23
C19-1'	24
C20-1'	25

Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

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	11/15/24 16:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C1-1.5'	E411157-01A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C2-1.5'	E411157-02A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C3-1'	E411157-03A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C4-1'	E411157-04A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C5-1'	E411157-05A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C6-1'	E411157-06A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C7-1'	E411157-07A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C8-1'	E411157-08A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C9-1'	E411157-09A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C10-1'	E411157-10A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C11-1'	E411157-11A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C12-1'	E411157-12A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C13-1'	E411157-13A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C14-1'	E411157-14A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C15-1'	E411157-15A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C16-1'	E411157-16A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C17-1'	E411157-17A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C18-1'	E411157-18A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C19-1'	E411157-19A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C20-1'	E411157-20A	Soil	11/13/24	11/15/24	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:
11/15/2024 4:26:39PM

C1-1.5'

E411157-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		Analyst: BA		Batch: 2446134
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		89.2 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: BA		Batch: 2446134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		91.5 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: NV		Batch: 2446127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
<i>Surrogate: n-Nonane</i>		94.6 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: JM		Batch: 2446130
Chloride	64.4	20.0	1	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C2-1.5'
E411157-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	89.7 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.4 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	98.6 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	108	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:26:39PM

C3-1'

E411157-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.2 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.7 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	54.6	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
<i>Surrogate: n-Nonane</i>	93.4 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	1130	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:26:39PM

C4-1'

E411157-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	90.0 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	90.2 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
<i>Surrogate: n-Nonane</i>	97.9 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	492	20.0	1	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C5-1'

E411157-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	90.8 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.4 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	92.1 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	2780	40.0	2	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C6-1'

E411157-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	0.0345	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	0.0544	0.0500	1	11/14/24	11/15/24	
Total Xylenes	0.0889	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	92.0 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.8 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	88.1 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	2870	40.0	2	11/15/24	11/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C7-1'

E411157-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	0.0720	0.0500	1	11/14/24	11/15/24	
Total Xylenes	0.0720	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.2 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	83.8 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	3030	40.0	2	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C8-1'

E411157-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	88.4 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.2 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	85.4 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	3030	40.0	2	11/15/24	11/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C9-1'

E411157-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	88.1 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	88.6 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	31.3	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	96.3 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	860	20.0	1	11/15/24	11/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C10-1'

E411157-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	98.0 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	93.9 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	25.6	20.0	1	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C11-1'

E411157-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	98.1 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	83.4 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	24.1	20.0	1	11/15/24	11/15/24	

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:
11/15/2024 4:26:39PM

C12-1'

E411157-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2446134
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	98.4 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2446134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446127
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	97.6 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2446130
Chloride	20.7	20.0	1	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C13-1'

E411157-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	98.4 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.0 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	96.2 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	21.6	20.0	1	11/15/24	11/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C14-1'
E411157-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.7 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
<i>Surrogate: n-Nonane</i>						
	99.8 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	26.9	20.0	1	11/15/24	11/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C15-1'

E411157-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.9 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	95.1 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	ND	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:26:39PM

C16-1'

E411157-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	0.0781	0.0500	1	11/14/24	11/15/24	
Total Xylenes	0.0781	0.0250	1	11/14/24	11/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	104 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	27.4	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	746	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:26:39PM

C17-1'

E411157-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2446134
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2446134
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446127
Diesel Range Organics (C10-C28)	25.5	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
<i>Surrogate: n-Nonane</i>						
		85.1 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2446130
Chloride	300	20.0	1	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C18-1'

E411157-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.3 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	291	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	102	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	86.6 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	867	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:26:39PM

C19-1'

E411157-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		103 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		92.5 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
<i>Surrogate: n-Nonane</i>		83.8 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	862	20.0	1	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:26:39PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C20-1'

E411157-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446134	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.9 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446127	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	94.8 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: JM		Batch: 2446130	
Chloride	999	20.0	1	11/15/24	11/15/24	

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	11/15/2024 4:26:39PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2446134-BLK1)

Prepared: 11/14/24 Analyzed: 11/14/24

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	7.93		8.00		99.1	70-130			

LCS (2446134-BS1)

Prepared: 11/14/24 Analyzed: 11/14/24

Benzene	5.16	0.0250	5.00		103	70-130			
Ethylbenzene	5.28	0.0250	5.00		106	70-130			
Toluene	5.30	0.0250	5.00		106	70-130			
o-Xylene	5.31	0.0250	5.00		106	70-130			
p,m-Xylene	10.7	0.0500	10.0		107	70-130			
Total Xylenes	16.1	0.0250	15.0		107	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.01		8.00		100	70-130			

LCS Dup (2446134-BSD1)

Prepared: 11/14/24 Analyzed: 11/14/24

Benzene	4.93	0.0250	5.00		98.7	70-130	4.53	20	
Ethylbenzene	5.06	0.0250	5.00		101	70-130	4.31	20	
Toluene	5.06	0.0250	5.00		101	70-130	4.52	20	
o-Xylene	5.10	0.0250	5.00		102	70-130	4.18	20	
p,m-Xylene	10.3	0.0500	10.0		103	70-130	4.23	20	
Total Xylenes	15.4	0.0250	15.0		103	70-130	4.21	20	
Surrogate: 4-Bromochlorobenzene-PID	7.98		8.00		99.7	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	11/15/2024 4:26:39PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2446134-BLK1) Prepared: 11/14/24 Analyzed: 11/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.8	70-130			

LCS (2446134-BS2) Prepared: 11/14/24 Analyzed: 11/14/24

Gasoline Range Organics (C6-C10)	42.5	20.0	50.0		85.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.49		8.00		93.6	70-130			

LCS Dup (2446134-BSD2) Prepared: 11/14/24 Analyzed: 11/14/24

Gasoline Range Organics (C6-C10)	42.9	20.0	50.0		85.9	70-130	0.972	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	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	11/15/2024 4:26:39PM

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 (2446127-BLK1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.1		50.0		108	50-200			

LCS (2446127-BS1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Diesel Range Organics (C10-C28)	261	25.0	250		104	38-132			
Surrogate: n-Nonane	53.2		50.0		106	50-200			

LCS Dup (2446127-BSD1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132	5.55	20	
Surrogate: n-Nonane	55.8		50.0		112	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	11/15/2024 4:26:39PM

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2446130-BLK1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Chloride	ND	20.0							
LCS (2446130-BS1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Chloride	257	20.0	250		103	90-110			
LCS Dup (2446130-BSD1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Chloride	258	20.0	250		103	90-110	0.310	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	11/15/24 16:26

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.
- Note (1): Methods marked with ** are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 1 of 5

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:		E411157		01058-0001		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/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX					
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												State		Remarks	
1:33	11/13/24	S	1	C1-1.5'	1									X						
1:36				C2-1.5'	2															
1:40				C3-1'	3															
1:45				C4-1'	4															
1:56				C5-1'	5															
2:00				C6-1'	6															
2:11				C7-1'	7															
2:17				C8-1'	8															
2:24				C9-1'	9															
2:29				C10-1'	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.

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.

Relinquished by: (Signature)				Date	Time	Received by: (Signature)				Date	Time	Lab Use Only	
Kerime Adame				11/14/24	2:00	Michelle Gonzales				11-14-24	1400	Received on ice: (Y) / N	
Michelle Gonzales				11-14-24	1600	Linda Hobb				11-14-24	1700	T1 T2 T3	
Linda Hobb				11.14.24	2345	Carth Ma				11.15.24	10:30	AVG Temp °C 4	

Project Information

Chain of Custody

Page 2 of 5

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:		E411157		01058-0007		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/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX					
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												State		Remarks	
2:30	11/13/24	S	1	C11-1'	11									X						
2:37				C12-1'	12															
2:41				C13-1'	13															
2:48				C14-1'	14															
2:54				C15-1'	15															
3:06				C16-1'	16															
3:11				C17-1'	17															
3:17				C18-1'	18															
3:24				C19-1'	19															
3:35				C20-1'	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.

Sampled by: _____

Relinquished by: (Signature) Kasine Adams Date 11/14/24 Time 2:00 Received by: (Signature) Michelle Gonzales Date 11-14-24 Time 1400

Relinquished by: (Signature) Michelle Gonzales Date 11-14-24 Time 1600 Received by: (Signature) [Signature] Date 11-14-24 Time 1700

Relinquished by: (Signature) [Signature] Date 11-14-24 Time 2345 Received by: (Signature) Curtis Mor Date 11-15-24 Time 16:30

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.

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

Envirotech Analytical Laboratory

Printed: 11/15/2024 9:04:25AM

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:	11/15/24 06:30	Work Order ID:	E411157
Phone:	(575) 631-6977	Date Logged In:	11/14/24 16:07	Logged In By:	Noe Soto
Email:	tom@pimaoil.com	Due Date:	11/15/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Sampled by name is missing on COC by client. Project Sirius 17 Federal Com #7H has been separated into 2 WOs due to high sample volume, WOs are E411157-E411158.

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: E411158

Job Number: 01058-0007

Received: 11/15/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
11/15/24

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: 11/15/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Sirius 17 Federal Com #7H
Workorder: E411158
Date Received: 11/15/2024 6:30:37AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/15/2024 6:30:37AM, 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)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
C21-1'	6
C21-1'	7
C22-1'	8
C23-1'	9
C24-1'	10
C25-1'	11
C26-1'	12
C27-1'	13
C28-1'	14
C29-1'	15
C30-1'	16
C31-1'	17
C32-1'	18
C33-1'	19
C34-1'	20
C35-1'	21
C36-1'	22
W1-1'	23
W2-1'	24
W3-1'	25

Table of Contents (continued)

W4-1'	26
W5-1'	27
W6-1'	28
W7-1.5'	29
QC Summary Data	30
QC - Volatile Organic Compounds by EPA 8260B	30
QC - Volatile Organics by EPA 8021B	31
QC - Nonhalogenated Organics by EPA 8015D - GRO	32
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	34
QC - Anions by EPA 300.0/9056A	36
Definitions and Notes	38
Chain of Custody etc.	39

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	11/15/24 16:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C21-1'	E411158-01A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C21-1'	E411158-02A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C22-1'	E411158-03A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C23-1'	E411158-04A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C24-1'	E411158-05A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C25-1'	E411158-06A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C26-1'	E411158-07A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C27-1'	E411158-08A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C28-1'	E411158-09A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C29-1'	E411158-10A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C30-1'	E411158-11A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C31-1'	E411158-12A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C32-1'	E411158-13A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C33-1'	E411158-14A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C34-1'	E411158-15A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C35-1'	E411158-16A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
C36-1'	E411158-17A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
W1-1'	E411158-18A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
W2-1'	E411158-19A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
W3-1'	E411158-20A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
W4-1'	E411158-21A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
W5-1'	E411158-22A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
W6-1'	E411158-23A	Soil	11/13/24	11/15/24	Glass Jar, 2 oz.
W7-1.5'	E411158-24A	Soil	11/13/24	11/15/24	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:
11/15/2024 4:30:50PM

C21-1'

E411158-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		106 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		106 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	53.6	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		97.2 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: JM		Batch: 2446132
Chloride	751	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C21-1'

E411158-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	39.8	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		91.3 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	843	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C22-1'

E411158-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		107 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		107 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	27.6	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		101 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	828	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C23-1'

E411158-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		102 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	1220	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C24-1'

E411158-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		105 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		105 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	29.0	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		90.3 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	955	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C25-1'

E411158-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		106 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		106 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	30.0	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		91.4 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	837	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C26-1'

E411158-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		102 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		106 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		102 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.4 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		106 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	37.6	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		89.3 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	1090	20.0	1	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:30:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C27-1'

E411158-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2446135	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	106 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	105 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2446135	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	106 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	105 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2446128	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	91.4 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2446132	
Chloride	955	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C28-1'

E411158-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		91.3 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		106 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		91.3 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		106 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		97.8 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	782	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C29-1'

E411158-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		103 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		105 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		103 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		105 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	102	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	60.2	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		102 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	900	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C30-1'

E411158-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		107 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		105 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		107 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		105 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	38.3	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		97.2 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	970	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C31-1'

E411158-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		94.2 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		98.7 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	739	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C32-1'

E411158-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	11/14/24	11/15/24	
Surrogate: Toluene-d8		104 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	37.3	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane		103 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	762	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C33-1'

E411158-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	105 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	97.6 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	94.2 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	105 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	96.3 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	687	20.0	1	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:30:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

C34-1'

E411158-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2446135	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	105 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2446135	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	98.6 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	92.0 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	105 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2446128	
Diesel Range Organics (C10-C28)	82.1	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	95.7 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2446132	
Chloride	894	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C35-1'

E411158-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	105 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	94.3 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	105 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	55.3	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	103 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	998	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

C36-1'

E411158-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	96.7 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	102 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	96.7 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	95.6 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	102 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	88.7 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	904	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

W1-1'
E411158-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	96.7 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	92.5 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	104 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	96.7 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	92.5 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	104 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	85.5 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	1370	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

W2-1'

E411158-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: BA		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	96.4 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	107 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: BA		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	96.4 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	107 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	29.0	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	84.5 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	692	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

W3-1'

E411158-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	103 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2446135
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: Bromofluorobenzene	99.0 %	70-130		11/14/24	11/15/24	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		11/14/24	11/15/24	
Surrogate: Toluene-d8	103 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2446128
Diesel Range Organics (C10-C28)	56.0	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	90.8 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: WF		Batch: 2446132
Chloride	878	20.0	1	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:30:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

W4-1'

E411158-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446136	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	95.3 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446136	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.2 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446129	
Diesel Range Organics (C10-C28)	29.7	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	96.7 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2446131	
Chloride	615	20.0	1	11/15/24	11/15/24	



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:
11/15/2024 4:30:50PM

W5-1'

E411158-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: BA		Batch: 2446136	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: BA		Batch: 2446136	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.3 %	70-130	11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2446129	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
<i>Surrogate: n-Nonane</i>						
		99.1 %	50-200	11/15/24	11/15/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: WF		Batch: 2446131	
Chloride	681	20.0	1	11/15/24	11/15/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:30:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

W6-1'

E411158-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446136	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	85.7 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446136	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.0 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446129	
Diesel Range Organics (C10-C28)	ND	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	96.0 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2446131	
Chloride	770	20.0	1	11/15/24	11/15/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:30:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

W7-1.5'

E411158-24

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: BA		Batch: 2446136	
Benzene	ND	0.0250	1	11/14/24	11/15/24	
Ethylbenzene	ND	0.0250	1	11/14/24	11/15/24	
Toluene	ND	0.0250	1	11/14/24	11/15/24	
o-Xylene	ND	0.0250	1	11/14/24	11/15/24	
p,m-Xylene	ND	0.0500	1	11/14/24	11/15/24	
Total Xylenes	ND	0.0250	1	11/14/24	11/15/24	
Surrogate: 4-Bromochlorobenzene-PID	89.9 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: BA		Batch: 2446136	
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/14/24	11/15/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.3 %	70-130		11/14/24	11/15/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2446129	
Diesel Range Organics (C10-C28)	33.3	25.0	1	11/15/24	11/15/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/15/24	11/15/24	
Surrogate: n-Nonane	98.0 %	50-200		11/15/24	11/15/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: WF		Batch: 2446131	
Chloride	755	20.0	1	11/15/24	11/15/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:30:50PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2446135-BLK1)

Prepared: 11/14/24 Analyzed: 11/14/24

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	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2446135-BS1)

Prepared: 11/14/24 Analyzed: 11/14/24

Benzene	2.38	0.0250	2.50		95.1	70-130			
Ethylbenzene	2.62	0.0250	2.50		105	70-130			
Toluene	2.49	0.0250	2.50		99.7	70-130			
o-Xylene	2.64	0.0250	2.50		106	70-130			
p,m-Xylene	5.27	0.0500	5.00		105	70-130			
Total Xylenes	7.90	0.0250	7.50		105	70-130			
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

LCS Dup (2446135-BSD1)

Prepared: 11/14/24 Analyzed: 11/14/24

Benzene	2.46	0.0250	2.50		98.5	70-130	3.55	23	
Ethylbenzene	2.69	0.0250	2.50		107	70-130	2.51	27	
Toluene	2.56	0.0250	2.50		102	70-130	2.50	24	
o-Xylene	2.84	0.0250	2.50		114	70-130	7.39	27	
p,m-Xylene	5.71	0.0500	5.00		114	70-130	8.05	27	
Total Xylenes	8.55	0.0250	7.50		114	70-130	7.83	27	
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.506		0.500		101	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	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	11/15/2024 4:30:50PM

Volatile Organics by EPA 8021B

Analyst: BA

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

Blank (2446136-BLK1)

Prepared: 11/14/24 Analyzed: 11/14/24

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	7.28		8.00		91.0	70-130			

LCS (2446136-BS1)

Prepared: 11/14/24 Analyzed: 11/14/24

Benzene	4.85	0.0250	5.00		97.0	70-130			
Ethylbenzene	4.96	0.0250	5.00		99.2	70-130			
Toluene	4.99	0.0250	5.00		99.7	70-130			
o-Xylene	4.98	0.0250	5.00		99.5	70-130			
p,m-Xylene	10.1	0.0500	10.0		101	70-130			
Total Xylenes	15.1	0.0250	15.0		100	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.22		8.00		90.2	70-130			

LCS Dup (2446136-BSD1)

Prepared: 11/14/24 Analyzed: 11/14/24

Benzene	4.78	0.0250	5.00		95.7	70-130	1.43	20	
Ethylbenzene	4.91	0.0250	5.00		98.2	70-130	1.05	20	
Toluene	4.93	0.0250	5.00		98.6	70-130	1.08	20	
o-Xylene	4.94	0.0250	5.00		98.9	70-130	0.644	20	
p,m-Xylene	9.99	0.0500	10.0		99.9	70-130	0.928	20	
Total Xylenes	14.9	0.0250	15.0		99.5	70-130	0.834	20	
Surrogate: 4-Bromochlorobenzene-PID	7.17		8.00		89.6	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Sirius 17 Federal Com #7H	Reported: 11/15/2024 4:30:50PM
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
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2446135-BLK1) Prepared: 11/14/24 Analyzed: 11/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

LCS (2446135-BS2) Prepared: 11/14/24 Analyzed: 11/14/24

Gasoline Range Organics (C6-C10)	49.8	20.0	50.0		99.6	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.475		0.500		95.0	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

LCS Dup (2446135-BSD2) Prepared: 11/14/24 Analyzed: 11/14/24

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0		98.4	70-130	1.14	20	
Surrogate: Bromofluorobenzene	0.488		0.500		97.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.516		0.500		103	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	11/15/2024 4:30:50PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2446136-BLK1) Prepared: 11/14/24 Analyzed: 11/14/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.26		8.00		90.7	70-130			

LCS (2446136-BS2) Prepared: 11/14/24 Analyzed: 11/14/24

Gasoline Range Organics (C6-C10)	39.0	20.0	50.0		78.1	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			

LCS Dup (2446136-BSD2) Prepared: 11/14/24 Analyzed: 11/15/24

Gasoline Range Organics (C6-C10)	35.9	20.0	50.0		71.8	70-130	8.43	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.31		8.00		91.3	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	11/15/2024 4:30:50PM

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 (2446128-BLK1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.9		50.0		108	50-200			

LCS (2446128-BS1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Diesel Range Organics (C10-C28)	276	25.0	250		110	38-132			
Surrogate: n-Nonane	55.8		50.0		112	50-200			

LCS Dup (2446128-BSD1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Diesel Range Organics (C10-C28)	268	25.0	250		107	38-132	2.81	20	
Surrogate: n-Nonane	54.6		50.0		109	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	11/15/2024 4:30:50PM

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 (2446129-BLK1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.5		50.0		101	50-200			

LCS (2446129-BS1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Diesel Range Organics (C10-C28)	271	25.0	250		108	38-132			
Surrogate: n-Nonane	57.9		50.0		116	50-200			

LCS Dup (2446129-BSD1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132	2.11	20	
Surrogate: n-Nonane	54.1		50.0		108	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	11/15/2024 4:30:50PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2446131-BLK1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Chloride	ND	20.0							
LCS (2446131-BS1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Chloride	257	20.0	250		103	90-110			
LCS Dup (2446131-BSD1)					Prepared: 11/14/24 Analyzed: 11/15/24				
Chloride	258	20.0	250		103	90-110	0.312	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	11/15/2024 4:30:50PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2446132-BLK1)					Prepared: 11/14/24 Analyzed: 11/14/24				
Chloride	ND	20.0							
LCS (2446132-BS1)					Prepared: 11/14/24 Analyzed: 11/14/24				
Chloride	251	20.0	250		100	90-110			
LCS Dup (2446132-BSD1)					Prepared: 11/14/24 Analyzed: 11/14/24				
Chloride	251	20.0	250		100	90-110	0.121	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	11/15/24 16:30

- 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 3 of 5

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# E411158 Job Number 01058.0007					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA					
										Analysis and Method										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											
3:41	11/13/24	S	1	C21-1'	1							X												
3:48				C21-1'	2																			
3:56				C22-1'	3																			
4:11				C23-1'	4																			
4:17				C24-1'	5																			
4:22				C25-1'	6																			
4:28				C26-1'	7																			
4:35				C27-1'	8																			
4:38				C28-1'	9																			
4:46				C29-1'	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) Karim Alana					Date 11/14/24		Time 2:00		Received by: (Signature) Michelle Gonzales					Date 11-14-24		Time 1400		Lab Use Only Received on ice: Y N						
Relinquished by: (Signature) Michelle Gonzales					Date 11-14-24		Time 1600		Received by: (Signature) John Hobbs					Date 11-14-24		Time 1700		T1 T2 T3						
Relinquished by: (Signature) John Hobbs					Date 11-14-24		Time 2345		Received by: (Signature) Cath Ma					Date 11-15-24		Time 06:30		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 4 of 5

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# E411158 Job Number 11058.0007 Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGDOC NM BGDOC 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															Remarks
4:55	11/13/24	S	1	C30-1'	11											X				
5:11				C31-1'	12															
5:17				C32-1'	13															
5:20				C33-1'	14															
5:28				C34-1'	15															
5:37				C35-1'	16															
5:42				C36-1'	17															
5:58				W1-1'	18															
6:00				W2-1'	19															
6:10				W3-1'	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) Kerine Adams		Date 11/14/24		Time 2:00		Received by: (Signature) Michelle Gonzales		Date 11-14-24		Time 1400		Lab Use Only Received on ice: Y / N								
Relinquished by: (Signature) Michelle Gonzales		Date 11-14-24		Time 1600		Received by: (Signature) John Hobb		Date 11-14-24		Time 1700		T1 T2 T3								
Relinquished by: (Signature) John Hobb		Date 11.14.24		Time 2345		Received by: (Signature) Cathy Ma		Date 11-15-24		Time 6:30		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: 11/15/2024 9:07:46AM

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:	11/15/24 06:30	Work Order ID:	E411158
Phone:	(575) 631-6977	Date Logged In:	11/14/24 16:14	Logged In By:	Noe Soto
Email:	tom@pimaoil.com	Due Date:	11/15/24 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Sampled by name is missing on COC by client. Project Sirius 17 Federal Com #7H has been separated into 2 WOs due to high sample volume, WOs are E411157-E411158.

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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 405996

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 405996
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

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 Closure Report 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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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 405996

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 405996
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 11/22/2024
----------------------------------------------------	---------------------------------------------------------------------------------------------

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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 405996

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 405996
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

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

Chloride (EPA 300.0 or SM4500 Cl B)	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.

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 4

Action 405996

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 405996
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 10/04/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 5

Action 405996

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 405996
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 6

Action 405996

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 405996
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	401315
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/13/2024
What was the (estimated) number of samples that were to be gathered	43
What was the sampling surface area in square feet	6997

Remediation Closure Request	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	6997
What was the total volume (cubic yards) remediated	265
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	6997
What was the total volume (in cubic yards) reclaimed	265
Summarize any additional remediation activities not included by answers (above)	Remediation took longer than expected due to excessive rainfall
<i>The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 11/22/2024

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 7

Action 405996

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 405996
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 405996

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 405996
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	12/9/2024