

Incident ID	nAPP2309131946
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>51-100'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2309131946
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental ProfessionalSignature: Dale Woodall Date: 6/30/2023email: dale.woodall@dn.com Telephone: 575-748-1839**OCD Only**Received by: Shelly Wells Date: 6/30/2023

Incident ID	nAPP2309131946
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Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Environmental Professional
Signature: Dale Woodall Date: 6/30/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: Shelly Wells Date: 6/30/2023

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

Closure Approved by: Nelson Velez Date: 09/22/2023
Printed Name: Nelson Velez Title: Environmental Specialist - Adv



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

June 30, 2023

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

Re: Site Assessment and Closure Report
Jayhawk 7 CTB 3
API No. N/A
GPS: Latitude 32.054538 Longitude -103.506094
UL -- J, 7, T26S, R34
Lea County, NM
NMOCD Ref. No. NAPP2309131946

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, and submit this closure report for a produced water release that occurred at the Jayhawk 7 CTB 3 (Jayhawk). The initial C-141 was submitted on April 13, 2023 (Appendix C). This incident was assigned Incident ID NAPP2309131946 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Jayhawk is located approximately eighteen (18) miles southwest of Jal, NM. This spill site is in Unit J, Section 7, Township 26S, Range 34E, Latitude 32.054538 Longitude -103.506094, Lea County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Alluvial and eolian deposits, and petrocalcic soils of the southern High Plains. Locally includes Qoa. The soil in this area is made up of Berino-Cacique association, hummocky and 0 to 3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a low potential for karst geology to be present around the Jayhawk (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 200 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 175 feet BGS. The closest waterway is Red Bluff Reservoir located approximately 25.69 miles to the southwest of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Jayhawk 7 CTB 3|Devon Energy

Release Information

NAPP2309131946: On March 30, 2023, a leak developed on a water line, causing fluid to be released on the pad. The released fluids were calculated to be approximately 7.6 barrels (bbls) of produced water. A vacuum truck was able to recover 3 bbls of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

On April 11, 2023, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

4/11/23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is 51-100')								
DEVON ENERGY -JAYHAWK 7 CTB 3								
Sample Date: 4/11/2023 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
S-1	1'	ND	ND	ND	ND	ND	0	406
	2'	ND	ND	ND	37.2	ND	37.2	130
	3'	ND	ND	ND	ND	ND	0	23.1
	4'	ND	ND	ND	ND	ND	0	20.5
S-2	1'	ND	ND	ND	ND	ND	0	404
	2'	ND	ND	ND	37.2	ND	37.2	135
	3'	ND	ND	ND	ND	ND	0	22
	4'	ND	ND	ND	ND	ND	0	21.6
S-3	1'	ND	ND	ND	ND	ND	0	408
	2'	ND	ND	ND	31.6	ND	31.6	139
	3'	ND	ND	ND	ND	ND	0	22.9
	4'	ND	ND	ND	ND	ND	0	20.6
S-4	1'	ND	ND	ND	ND	ND	0	435
	2'	ND	ND	ND	33.3	ND	33.3	131
	3'	ND	ND	ND	ND	ND	0	26.5
	4'	ND	ND	ND	ND	ND	0	ND
S-5	1'	ND	ND	ND	ND	ND	0	470
	2'	ND	ND	ND	33.5	ND	33.5	148
	3'	ND	ND	ND	ND	ND	0	23.6
	4'	ND	ND	ND	ND	ND	0	20.8
S-6	1'	ND	ND	ND	ND	ND	0	465
	2'	ND	ND	ND	ND	ND	0	140
	3'	ND	ND	ND	ND	ND	0	24.6
	4'	ND	ND	ND	ND	ND	0	24.2
S-7	1'	ND	ND	ND	ND	ND	0	471
	2'	ND	ND	ND	25.6	ND	25.6	135
	3'	ND	ND	ND	ND	ND	0	ND
	4'	ND	ND	ND	ND	ND	0	25.2
S-8	1'	ND	ND	ND	ND	ND	0	477
	2'	ND	ND	ND	ND	ND	0	131
	3'	ND	ND	ND	ND	ND	0	21.7
	4'	ND	ND	ND	ND	ND	0	ND
S-9	1'	ND	ND	ND	ND	ND	0	452
	2'	ND	ND	ND	26.8	ND	26.8	135
	3'	ND	ND	ND	ND	ND	0	24.5
	4'	ND	ND	ND	ND	ND	0	ND
S-10	1'	ND	ND	ND	ND	ND	0	414
	2'	ND	ND	ND	ND	ND	0	137
	3'	ND	ND	ND	ND	ND	0	25.4
	4'	ND	ND	ND	ND	ND	0	ND
S-11	1'	ND	ND	ND	ND	ND	0	483
	2'	ND	ND	ND	27.7	ND	27.7	127
	3'	ND	ND	ND	ND	ND	0	27.2
	4'	ND	ND	ND	ND	ND	0	ND
SW 1	6"	ND	ND	ND	ND	ND	0	ND
SW 2	6"	ND	ND	ND	ND	ND	0	ND
SW 3	6"	ND	ND	ND	ND	ND	0	ND
SW 4	6"	ND	ND	ND	ND	ND	0	ND
SW 5	6"	ND	ND	ND	ND	ND	0	ND
SW 6	6"	ND	ND	ND	ND	ND	0	ND
SW 7	6"	ND	ND	ND	ND	ND	0	ND
SW 8	6"	ND	ND	ND	ND	ND	0	ND
SW 9	6"	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Remediation Activities

The sample results were below NMOCD Closure Criteria 19.15.29 NMAC. Based on these findings, Devon Construction Department will schedule personnel and equipment to conduct a scrape and remove any surface staining. No further remediation activities are required at this time.

Closure Request

After careful review, Pima requests that this incident, NAPP2309131946, be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

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

Respectfully,



Gio Gomez
Project Manager
Pima Environmental Services,

Attachments

Figures:

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

Appendices:

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



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map



3-Karst Map

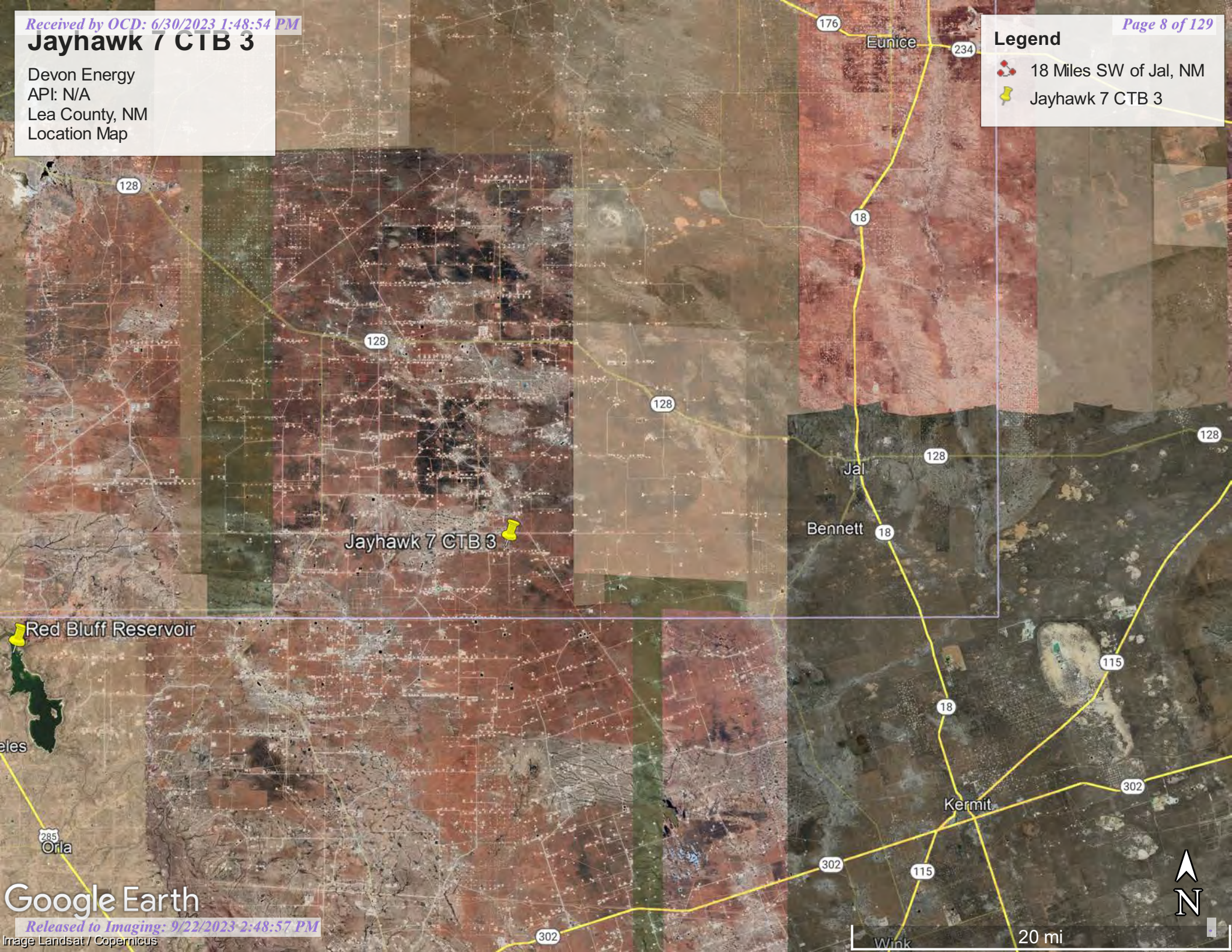
4-Site Map

Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
Location Map

Legend

-  18 Miles SW of Jal, NM
-  Jayhawk 7 CTB 3

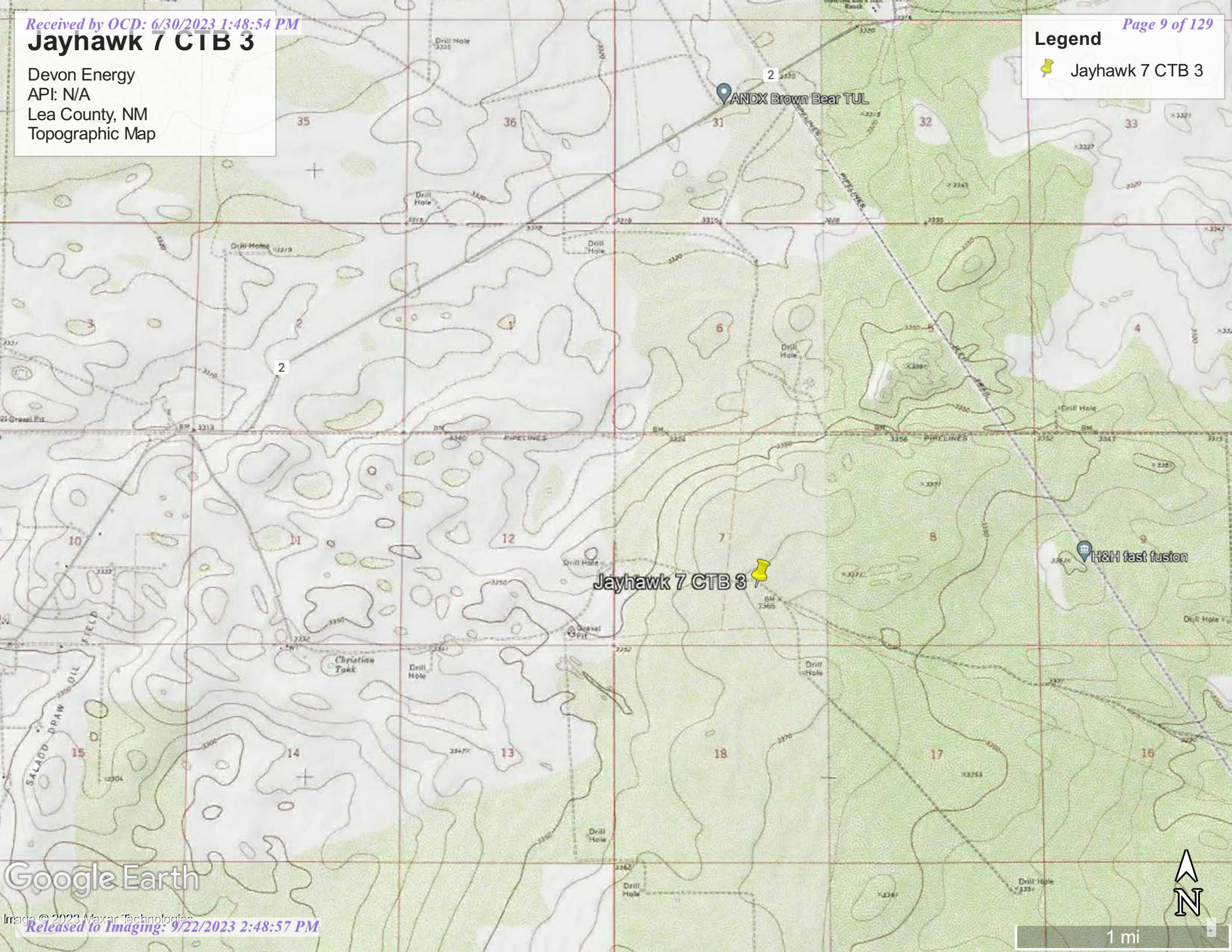


Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
Topographic Map

Legend

 Jayhawk 7 CTB 3





Google Earth

Jayhawk 7 CTB 3


Devon Energy
API: N/A
Lea County, NM
Karst Map

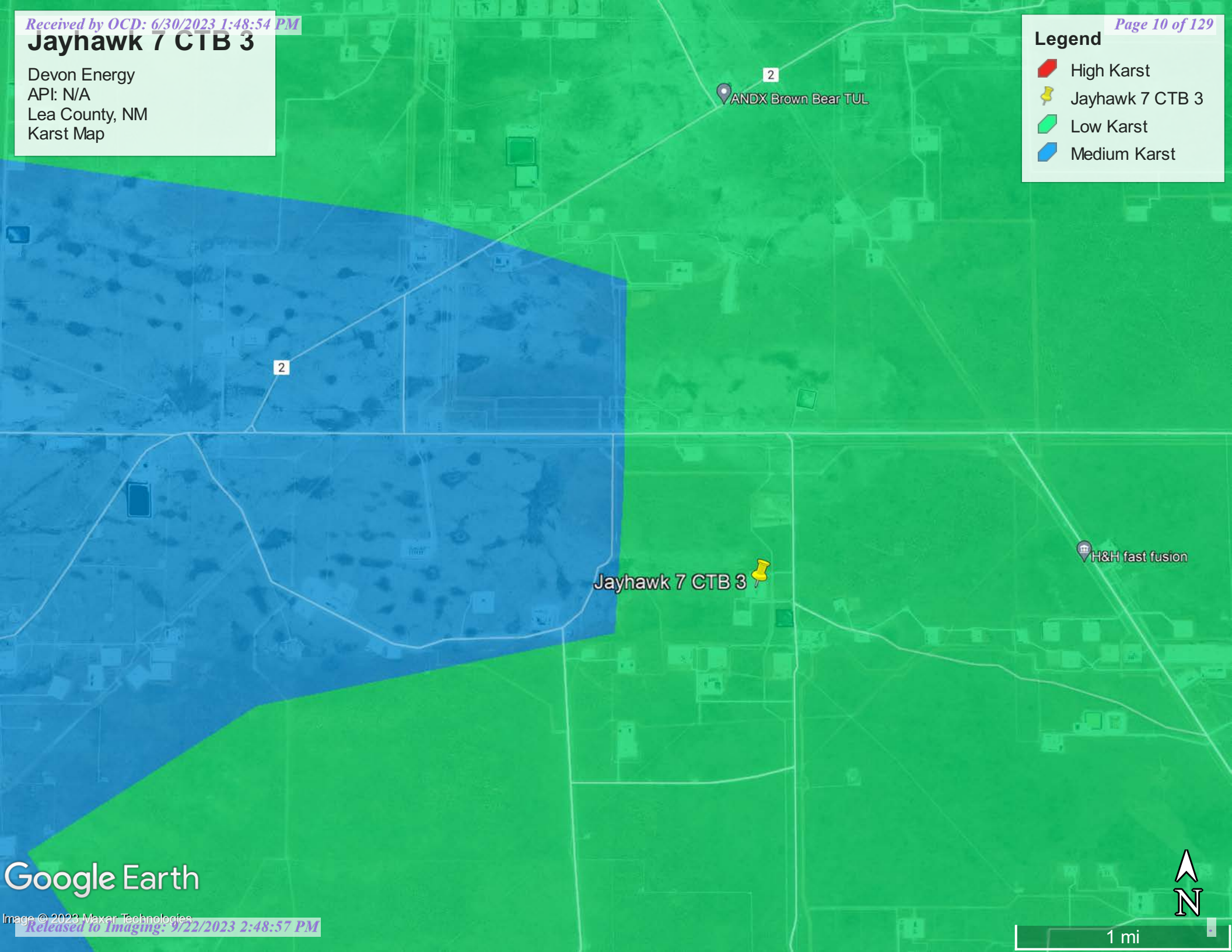
Legend

 High Karst

 Jayhawk 7 CTB 3

 Low Karst

 Medium Karst



Google Earth


N


1 mi

Jayhawk 7 CTB 3

Devon Energy
API: N/A
Lea County, NM
Site Map

Legend

- Background/Sidewalls
- Jayhawk 7 CTB 3
- jayhawk spill 3,655
- Samples

Jayhawk 7 CTB 3

SW2
SW3
S2
S1
SW1
SW4
S3
S4
S5
SW6
S6
S7
S8
SW9
S10
S9
SW7
S11
SW8



100 ft

Google Earth



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 04626 POD1		CUB	LE	4	2	1	18	26S	34E	640644	3546672	874			
C 02295		CUB	LE	2	2	4	12	26S	33E	639865	3547624	1177	250	200	50
C 02292 POD1		CUB	LE	4	1	2	06	26S	34E	640992	3549987	2530	200	140	60
C 03442 POD1		C	LE	4	1	2	06	26S	34E	641056	3550028	2571	251		
C 03441 POD1		C	LE	4	1	2	06	26S	34E	640971	3550039	2583	250		
C 02291		CUB	LE	1	1	2	06	26S	34E	640825	3550140*	2690	220	160	60
C 04628 POD1		CUB	LE	1	1	2	01	26S	33E	639121	3550219	3358			
C 02293		CUB	LE	2	2	1	14	26S	33E	637501	3546975	3562	200	135	65
C 02294		CUB	LE	4	4	3	11	26S	33E	637465	3547003	3593	200	145	55
C 04583 POD1		CUB	LE	3	3	3	15	26S	34E	644920	3545643	4291	55		
C 02288		CUB	LE	4	4	4	03	26S	33E	636646	3548758	4573	220	180	40
C 02289		CUB	LE	4	4	4	03	26S	33E	636612	3548675*	4583	200	160	40
C 02316		CUB	LE	3	4	3	29	25S	34E	642003	3551967*	4613	100	50	50
C 02317		CUB	LE	3	4	3	29	25S	34E	642003	3551967*	4613	100	50	50
C 02285 POD1		CUB	LE	1	4	4	03	26S	33E	636613	3548855	4633	220	220	0
C 02290		CUB	LE	4	4	4	03	26S	33E	636538	3548770	4680	200	160	40
C 02286		CUB	LE	3	4	4	03	26S	33E	636470	3548714	4731	220	175	45
C 02287		C	LE	3	4	4	03	26S	33E	636427	3548708	4770	220		

Average Depth to Water: **147 feet**

Minimum Depth: **50 feet**

Maximum Depth: **220 feet**

Record Count: 18

UTM NAD83 Radius Search (in meters):

Easting (X): 641030.48

Northing (Y): 3547456.89

Radius: 5000

*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.

4/4/23 10:54 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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- [Full News](#) 

Groundwater levels for the Nation

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

Search Results -- 1 sites found

site_no list =

- 320419103302201

Minimum number of levels = 1

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

USGS 320419103302201 26S.34E.06.21414

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°04'37.9", Longitude 103°30'20.5" NAD83

Land-surface elevation 3,319.00 feet above NGVD29

The depth of the well is 360 feet below land surface.

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

This well is completed in the Chinle Formation (231CHNL) local aquifer.

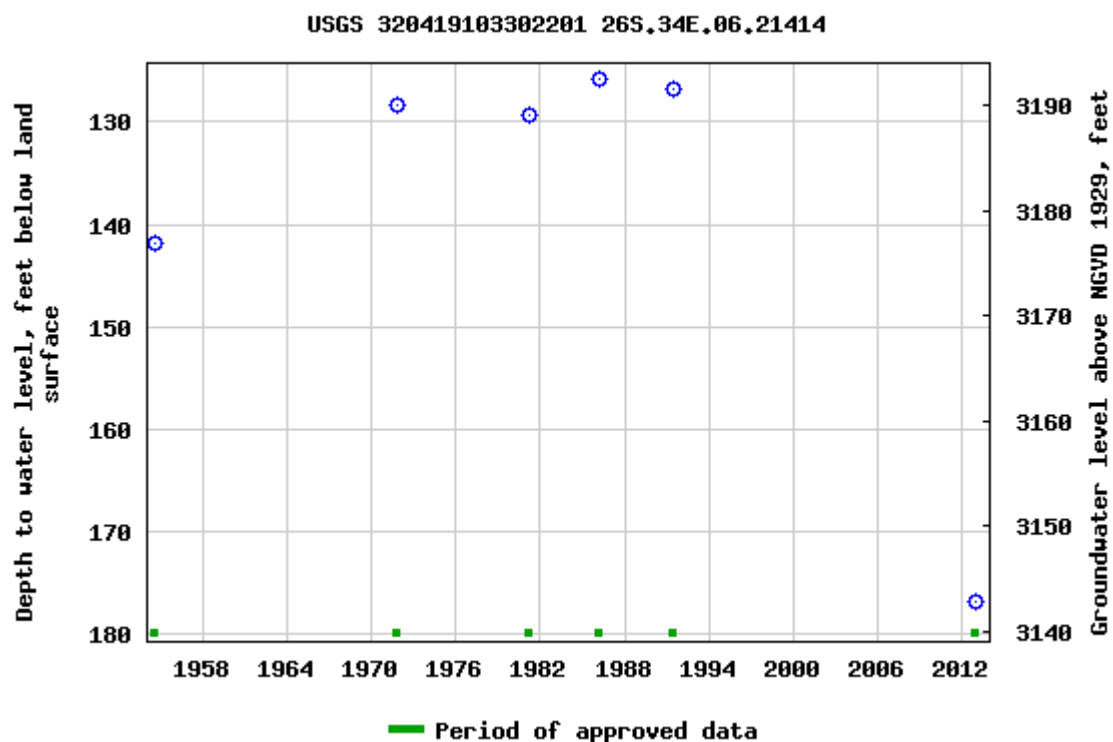
Output formats

[Table of data](#)

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

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Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2023-04-04 12:51:44 EDT

0.59 0.5 nadww02



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). C-4626			
	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 2	SECONDS 51.06	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND		
	LONGITUDE 103	30	37.08	W	* DATUM REQUIRED: WGS 84			
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE SE NE NW Sec.18 T26S R34S 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 6/9/2022	DRILLING ENDED 6/9/2022	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 6/13/2022		
	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) FROM TO		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)
	0	55	±6.5	Boring-HSA	--	--	--	--
3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		

FOR OSE INTERNAL USE

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

FILE NO. <u>C-4626-POD 1</u>	POD NO. <u>1</u>	TRN NO. <u>726171</u>
LOCATION <u>26-34-18-421</u>	WELL TAG ID NO. <u> </u>	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

5. TEST: RIG SUPERVISION

5. SIGNATURE

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 01/28/2022)	
FILE NO. C-4626-POD 1	POD NO. 1	TRN NO. 726171	
LOCATION 26.34.18.421		WELL TAG ID NO. —	PAGE 2 OF 2

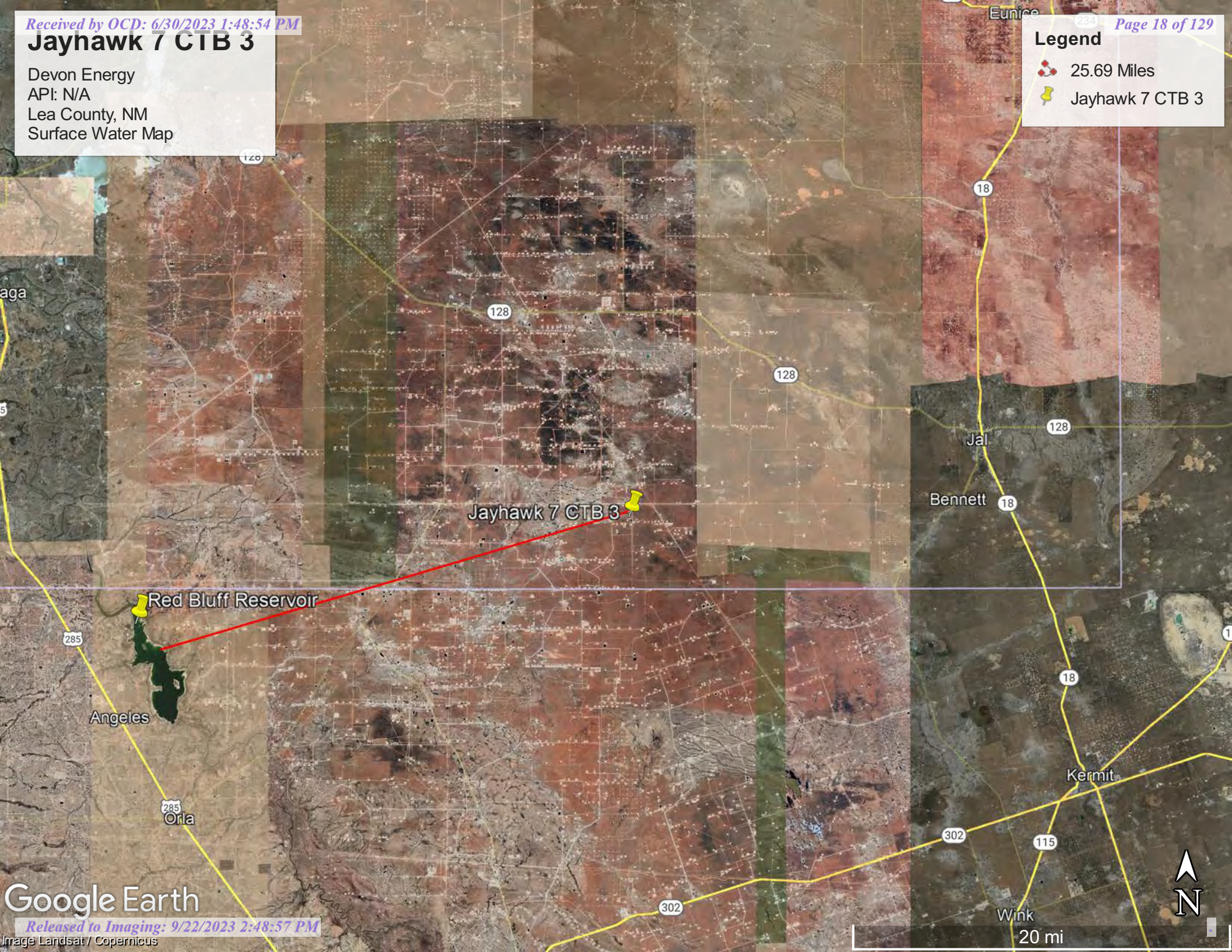
Jayhawk 7 CTB 3

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

Page 18 of 129

Legend

- 25.69 Miles
- Jayhawk 7 CTB 3



Google Earth



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Berino-Cacique association, hummocky---Lea County, New Mexico

Lea County, New Mexico

BH—Berino-Cacique association, hummocky

Map Unit Setting

National map unit symbol: dmpg

Elevation: 3,000 to 4,400 feet

Mean annual precipitation: 10 to 13 inches

Mean annual air temperature: 60 to 62 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Not prime farmland

Map Unit Composition

Berino and similar soils: 50 percent

Cacique and similar soils: 40 percent

Minor components: 10 percent

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

Description of Berino

Setting

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits derived from sedimentary rock over calcareous sandy alluvium derived from sedimentary rock

Typical profile

A - 0 to 10 inches: fine sand

Btk - 10 to 60 inches: sandy 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

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Moderate (about 8.5 inches)

Map Unit Description: Berino-Cacique association, hummocky---Lea County, New Mexico

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Cacique**Setting**

Landform: Plains

Landform position (three-dimensional): Rise

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 7 inches: fine sand

Bt - 7 to 28 inches: sandy clay loam

Bkm - 28 to 38 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 40 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7c

Hydrologic Soil Group: C

Ecological site: R070BD004NM - Sandy

Hydric soil rating: No

Minor Components**Kermi**

Percent of map unit: 4 percent

Ecological site: R070BD005NM - Deep Sand

Hydric soil rating: No

Maljamar

Percent of map unit: 3 percent

Map Unit Description: Berino-Cacique association, hummocky---Lea County, New Mexico

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Palomas

Percent of map unit: 2 percent

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Dune land

Percent of map unit: 1 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022



National Flood Hazard Layer FIRMMette



103°30'41"W 32°3'32"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

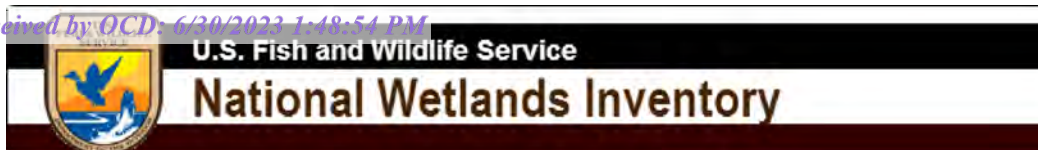


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

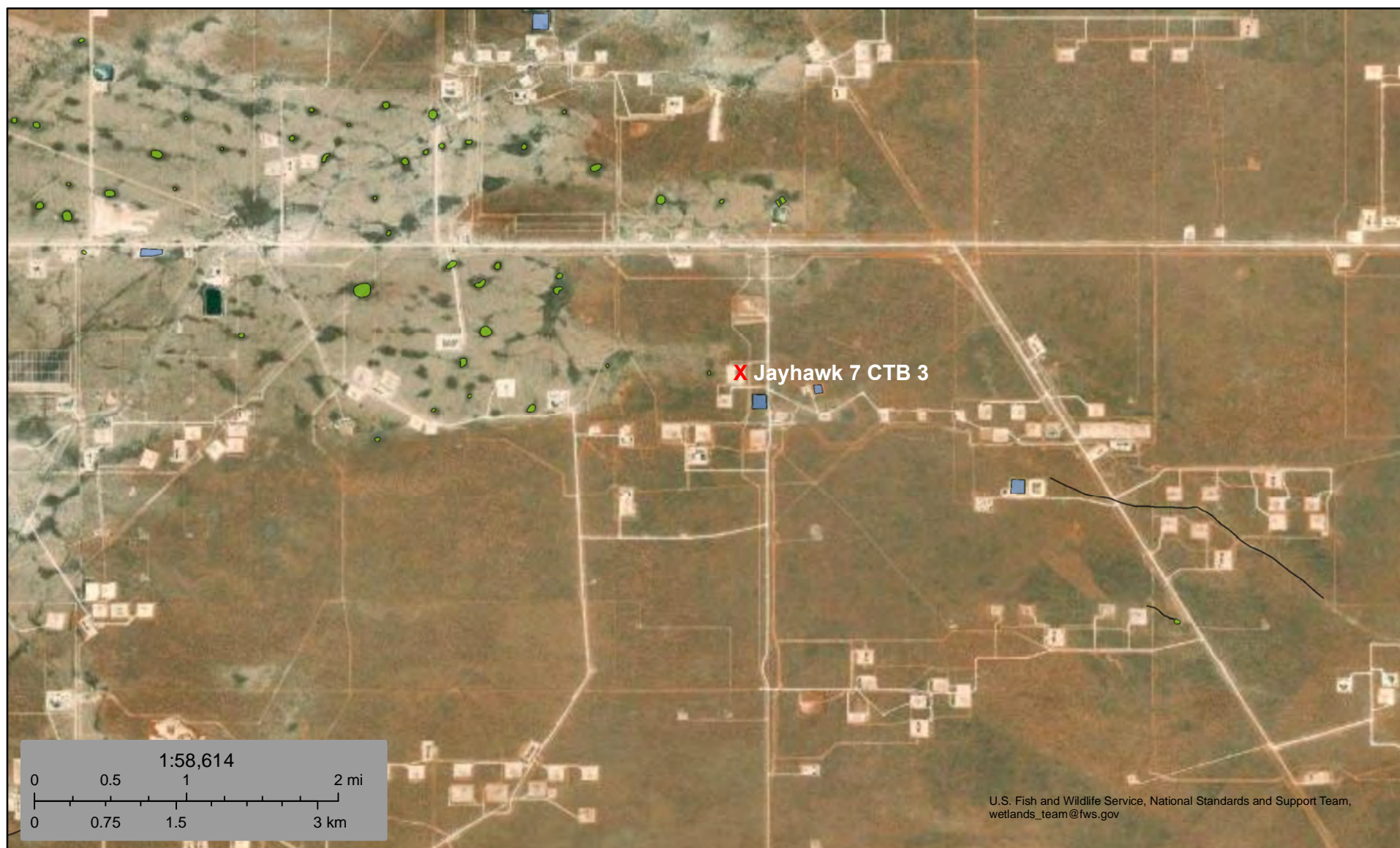
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/4/2023 at 12:55 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.



Wetlands Map



April 4, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2309131946
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone
Contact email Dale.Woodall@dvn.com	Incident # (assigned by OCD)
Contact mailing address 6488 Seven Rivers Hwy Artesia, NM 88210	

Location of Release Source

Latitude 32.054538 Longitude -103.506094
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Jayhawk 7 CTB 3	Site Type Oil
Date Release Discovered 3/30/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
J		26S	34E	Lea

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 7.6 BBLS	Volume Recovered (bbls) 3 BBLS
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Water line developed leak.

Incident ID	nAPP2309131946
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<input type="checkbox"/> The source of the release has been stopped.	
<input type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Kendra Ruiz</u>	Title: <u>EHS Associate</u>
Signature: <u><i>Kendra Ruiz</i></u>	Date: <u>4/13/2023</u>
email: <u>Kendra.Ruiz@dvn.com</u>	Telephone: <u>575-748-0167</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>04/13/2023</u>

Spill Volume(Bbls) Calculator	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>2642.027</u>	<u>1.000</u>
Cubic Feet of Soil Impacted	<u>220.169</u>
Barrels of Soil Impacted	<u>39.25</u>
Soil Type	Clay/Sand
Barrels of Oil Assuming 100% Saturation	<u>5.89</u>
Saturation	Fluid present when squeezed
Estimated Barrels of Oil Released	<u>2.94</u>
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>161.842</u>	<u>0.750</u>
Standing fluid	<u>1.803</u>
<u>Total fluids spilled</u>	<u>7.690</u>

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 207487

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 207487
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/13/2023

Incident ID	nAPP2309131946
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>51-100'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2309131946
District RP	
Facility ID	
Application ID	

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

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 6/30/2023

email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2309131946
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Dale Woodall Title: Environmental Professional
Signature: Dale Woodall Date: 6/30/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Pima Environmental Services

Appendix D

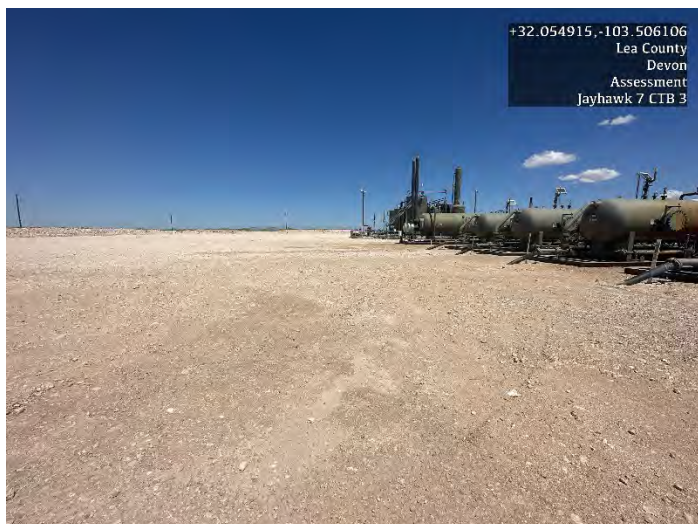
Photographic Documentation



**SITE PHOTOGRAPHS
DEVON ENERGY
JAYHAWK 7 CTB 3**

Site Assessment







Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Jayhawk 7 CTB 3

Work Order: E304074

Job Number: 01058-0007

Received: 4/14/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/20/23

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: 4/20/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Jayhawk 7 CTB 3
Workorder: E304074
Date Received: 4/14/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/14/2023 8:30:00AM, under the Project Name: Jayhawk 7 CTB 3.

The analytical test results summarized in this report with the Project Name: Jayhawk 7 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area
Lynn Jarboe
Technical Representative/Client Services
Office: 505-421-LABS(5227)
Cell: 505-320-4759
ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 1'	6
S1 - 2'	7
S1 - 3'	8
S1 - 4'	9
S2 - 1'	10
S2 - 2'	11
S2 - 3'	12
S2 - 4'	13
S3 - 1'	14
S3 - 2'	15
S3 - 3'	16
S3 - 4'	17
S4 - 1'	18
S4 - 2'	19
S4 - 3'	20
S4 - 4'	21
S5 - 1'	22
S5 - 2'	23
S5 - 3'	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:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/20/23 11:18

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E304074-01A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S1 - 2'	E304074-02A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S1 - 3'	E304074-03A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S1 - 4'	E304074-04A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S2 - 1'	E304074-05A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S2 - 2'	E304074-06A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S2 - 3'	E304074-07A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S2 - 4'	E304074-08A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S3 - 1'	E304074-09A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S3 - 2'	E304074-10A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S3 - 3'	E304074-11A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S3 - 4'	E304074-12A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S4 - 1'	E304074-13A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S4 - 2'	E304074-14A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S4 - 3'	E304074-15A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S4 - 4'	E304074-16A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S5 - 1'	E304074-17A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S5 - 2'	E304074-18A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S5 - 3'	E304074-19A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S5 - 4'	E304074-20A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S1 - 1'

E304074-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	100 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	106 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	100 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	107 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	106 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	93.0 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	406	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S1 - 2'

E304074-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.8 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.8 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	110 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	37.2	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	97.0 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	130	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S1 - 3'

E304074-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/14/23	04/17/23	
Surrogate: Toluene-d8		105 %	70-130	04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4		110 %	70-130	04/14/23	04/17/23	
Surrogate: Toluene-d8		105 %	70-130	04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane		96.5 %	50-200	04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	23.1	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S1 - 4'

E304074-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.8 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	102 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.8 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	109 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	102 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	95.9 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	20.5	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S2 - 1'

E304074-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	99.6 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	94.3 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	404	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S2 - 2'

E304074-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130	04/14/23	04/17/23	
Surrogate: Toluene-d8		102 %	70-130	04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130	04/14/23	04/17/23	
Surrogate: Toluene-d8		102 %	70-130	04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	37.2	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane		97.6 %	50-200	04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	135	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S2 - 3'

E304074-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	99.1 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	99.1 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	96.5 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	22.0	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S2 - 4'

E304074-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/14/23	04/17/23	
Surrogate: Toluene-d8		103 %	70-130	04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/14/23	04/17/23	
Surrogate: Toluene-d8		103 %	70-130	04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane		95.2 %	50-200	04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	21.6	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S3 - 1'

E304074-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	99.7 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	97.2 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	408	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S3 - 2'

E304074-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2315072	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2315072	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	116 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2315090	
Diesel Range Organics (C10-C28)	31.6	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	95.4 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315086	
Chloride	139	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S3 - 3'

E304074-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/14/23	04/17/23	
Surrogate: Toluene-d8		105 %	70-130	04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130	04/14/23	04/17/23	
Surrogate: Toluene-d8		105 %	70-130	04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane		96.4 %	50-200	04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	22.9	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S3 - 4'

E304074-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	102 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.9 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	115 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	102 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	96.1 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	20.6	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S4 - 1'

E304074-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4		116 %	70-130	04/14/23	04/17/23	
Surrogate: Toluene-d8		104 %	70-130	04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4		116 %	70-130	04/14/23	04/17/23	
Surrogate: Toluene-d8		104 %	70-130	04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane		98.0 %	50-200	04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	435	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S4 - 2'

E304074-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	33.3	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	95.9 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	131	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S4 - 3'

E304074-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	113 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	103 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	96.7 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	26.5	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S4 - 4'

E304074-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	102 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.2 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	112 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	102 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	89.7 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	ND	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S5 - 1'

E304074-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.4 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	104 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.4 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	114 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	104 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	95.4 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	470	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S5 - 2'

E304074-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2315072	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.4 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	104 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2315072	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.4 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	106 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	104 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2315090	
Diesel Range Organics (C10-C28)	33.5	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	96.0 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315086	
Chloride	148	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S5 - 3'

E304074-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	104 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2315072
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	111 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	104 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2315090
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	98.1 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315086
Chloride	23.6	20.0	1	04/18/23	04/19/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:18:42AM

S5 - 4'

E304074-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: SL		Batch: 2315072	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	104 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: SL		Batch: 2315072	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	108 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	104 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2315090	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	97.2 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315086	
Chloride	20.8	20.0	1	04/18/23	04/19/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 11:18:42AM

Volatile Organic Compounds by EPA 8260B

Analyst: SL

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

Blank (2315072-BLK1)

Prepared: 04/14/23 Analyzed: 04/17/23

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	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.568		0.500		114	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

LCS (2315072-BS1)

Prepared: 04/14/23 Analyzed: 04/17/23

Benzene	2.42	0.0250	2.50		96.6	70-130			
Ethylbenzene	2.42	0.0250	2.50		96.9	70-130			
Toluene	2.49	0.0250	2.50		99.6	70-130			
o-Xylene	2.41	0.0250	2.50		96.5	70-130			
p,m-Xylene	4.88	0.0500	5.00		97.7	70-130			
Total Xylenes	7.30	0.0250	7.50		97.3	70-130			
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.552		0.500		110	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike (2315072-MS1)

Source: E304074-01

Prepared: 04/14/23 Analyzed: 04/17/23

Benzene	2.46	0.0250	2.50	ND	98.3	48-131			
Ethylbenzene	2.49	0.0250	2.50	ND	99.5	45-135			
Toluene	2.56	0.0250	2.50	ND	102	48-130			
o-Xylene	2.46	0.0250	2.50	ND	98.5	43-135			
p,m-Xylene	4.98	0.0500	5.00	ND	99.7	43-135			
Total Xylenes	7.45	0.0250	7.50	ND	99.3	43-135			
Surrogate: Bromofluorobenzene	0.543		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.556		0.500		111	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			

Matrix Spike Dup (2315072-MSD1)

Source: E304074-01

Prepared: 04/14/23 Analyzed: 04/17/23

Benzene	2.45	0.0250	2.50	ND	98.1	48-131	0.224	23	
Ethylbenzene	2.45	0.0250	2.50	ND	97.9	45-135	1.64	27	
Toluene	2.52	0.0250	2.50	ND	101	48-130	1.28	24	
o-Xylene	2.43	0.0250	2.50	ND	97.1	43-135	1.43	27	
p,m-Xylene	4.89	0.0500	5.00	ND	97.9	43-135	1.81	27	
Total Xylenes	7.32	0.0250	7.50	ND	97.6	43-135	1.69	27	
Surrogate: Bromofluorobenzene	0.529		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.549		0.500		110	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 11:18:42AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315072-BLK1)

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.491		0.500		98.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.568		0.500		114	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

LCS (2315072-BS2)

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	56.0	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.536		0.500		107	70-130			
Surrogate: Toluene-d8	0.523		0.500		105	70-130			

Matrix Spike (2315072-MS2)

Source: E304074-01

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	53.9	20.0	50.0	ND	108	70-130			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.530		0.500		106	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

Matrix Spike Dup (2315072-MSD2)

Source: E304074-01

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	53.5	20.0	50.0	ND	107	70-130	0.781	20	
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.550		0.500		110	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 11:18:42AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315090-BLK1)					Prepared: 04/14/23 Analyzed: 04/18/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.7		50.0		95.4	50-200			

LCS (2315090-BS1)					Prepared: 04/14/23 Analyzed: 04/18/23				
Diesel Range Organics (C10-C28)	266	25.0	250		107	38-132			
Surrogate: n-Nonane	47.3		50.0		94.7	50-200			

Matrix Spike (2315090-MS1)					Source: E304074-20		Prepared: 04/14/23 Analyzed: 04/18/23		
Diesel Range Organics (C10-C28)	260	25.0	250	ND	104	38-132			
Surrogate: n-Nonane	46.1		50.0		92.1	50-200			

Matrix Spike Dup (2315090-MSD1)					Source: E304074-20		Prepared: 04/14/23 Analyzed: 04/18/23		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132	3.63	20	
Surrogate: n-Nonane	46.9		50.0		93.9	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 11:18:42AM

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315086-BLK1)					Prepared: 04/18/23 Analyzed: 04/18/23				
Chloride	ND	20.0							
LCS (2315086-BS1)					Prepared: 04/18/23 Analyzed: 04/18/23				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2315086-MS1)					Source: E304074-01		Prepared: 04/18/23 Analyzed: 04/18/23		
Chloride	645	20.0	250	406	95.6	80-120			
Matrix Spike Dup (2315086-MSD1)					Source: E304074-01		Prepared: 04/18/23 Analyzed: 04/18/23		
Chloride	639	20.0	250	406	93.2	80-120	0.937	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:	Jayhawk 7 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/20/23 11:18

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

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

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



Project Information

Chain of Custody

Page 1 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: Jayhawk 7 CTB3					Attention: Devon		Lab WO# F304074		Job Number D1058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip: Hobbs, NM, 88240					Phone:		Chloride 300.0									
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # 290											
Report due by:																

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
7:00	4/11/23	S	1	S1-1'	1							X		
7:05				S1-2'	2									
7:10				S1-3'	3									
7:15				S1-4'	4									
7:20				S2-1'	5									
7:25				S2-2'	6									
7:30				S2-3'	7									
7:35				S2-4'	8									
7:40				S3-1'	9									
7:45				S3-2'	10									

Additional Instructions: Billing #: 21147066

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

Relinquished by: (Signature) AB Date 4-13-23 Time 2:00 Received by: (Signature) Michelle Gonzales Date 4-13-23 Time 1400

Relinquished by: (Signature) Michelle Gonzales Date 4-13-23 Time 1600 Received by: (Signature) Carla Chute Date 4/14/23 Time 8:30

Relinquished by: (Signature) _____ Date _____ Time _____ Received by: (Signature) _____ Date _____ Time _____

Sample Matrix: S - 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.

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Project Information

Chain of Custody

Page 2 of 4

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: Jayhawk 7 CR3					Attention: Devon		Lab WO# F 304074		Job Number 0058-0057		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip		DRO/DRO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip Hobbs, NM, 88240					Phone:		Chloride 300.0									
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # 290											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											
7:50	4/11/23	S	1	S3-3'	11											
7:55				S3-4'	12											
8:00				S4-1'	13											
8:05				S4-2'	14											
8:10				S4-3'	15											
8:15				S4-4'	16											
8:20				S5-1'	17											
8:25				S5-2'	18											
8:30				S5-3'	19											
8:35				S5-4'	20											
Additional Instructions: Billing #: 21147066																
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: Audriana Benanduz																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.								
AB		4-13-23	2:00	Michelle Coughlin		4-13-23	1400	Received on ice: (X) N								
Michelle Coughlin		4-13-23	1600	Caitlin Chute		4/14/23	8:30	T1: T2: T3:								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	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.																

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Envirotech Analytical Laboratory

Printed: 4/17/2023 12:14:17PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	04/14/23 08:30	Work Order ID:	E304074
Phone:	(575) 631-6977	Date Logged In:	04/13/23 16:57	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	04/20/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Courier**Comments/Resolution****Sample Turn Around Time (TAT)**

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? 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: Jayhawk 7 CTB 3

Work Order: E304076

Job Number: 01058-0007

Received: 4/14/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/20/23

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: 4/20/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Jayhawk 7 CTB 3
Workorder: E304076
Date Received: 4/14/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/14/2023 8:30:00AM, under the Project Name: Jayhawk 7 CTB 3.

The analytical test results summarized in this report with the Project Name: Jayhawk 7 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
S11 - 1'	5
S11 - 2'	6
S11 - 3'	7
S11 - 4'	8
SW1	9
SW2	10
SW3	11
SW4	12
SW5	13
SW6	14
SW7	15
SW9	16
BG1	17
QC Summary Data	18
QC - Volatile Organic Compounds by EPA 8260B	18
QC - Nonhalogenated Organics by EPA 8015D - GRO	19
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	20
QC - Anions by EPA 300.0/9056A	21
Definitions and Notes	22
Chain of Custody etc.	23

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/20/23 11:21

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S11 - 1'	E304076-01A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S11 - 2'	E304076-02A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S11 - 3'	E304076-03A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S11 - 4'	E304076-04A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
SW1	E304076-05A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
SW2	E304076-06A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
SW3	E304076-07A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
SW4	E304076-08A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
SW5	E304076-09A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
SW6	E304076-10A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
SW7	E304076-11A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
SW9	E304076-12A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
BG1	E304076-13A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

S11 - 1'

E304076-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315075	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	101 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	101 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315075	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	101 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	97.6 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	101 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2316004	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	99.9 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2315088	
Chloride	483	20.0	1	04/14/23	04/14/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

S11 - 2'

E304076-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	99.2 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	99.2 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	27.7	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	105 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	127	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

S11 - 3'

E304076-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	102 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.4 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	101 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	102 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	104 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	27.2	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

S11 - 4'

E304076-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	100 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.9 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	100 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	104 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	ND	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

SW1

E304076-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	100 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	100 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	103 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	ND	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

SW2

E304076-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	99.6 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	98.6 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	96.4 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	99.6 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	105 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	ND	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

SW3

E304076-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	101 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: Bromofluorobenzene	99.0 %	70-130		04/14/23	04/17/23	
Surrogate: 1,2-Dichloroethane-d4	97.1 %	70-130		04/14/23	04/17/23	
Surrogate: Toluene-d8	101 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/18/23	
Surrogate: n-Nonane	107 %	50-200		04/18/23	04/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	ND	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

SW4

E304076-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		04/14/23	04/18/23	
Surrogate: Toluene-d8	101 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		04/14/23	04/18/23	
Surrogate: Toluene-d8	101 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	105 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	ND	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

SW5

E304076-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene	96.6 %	70-130		04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4	92.8 %	70-130		04/14/23	04/18/23	
Surrogate: Toluene-d8	101 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene	96.6 %	70-130		04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4	92.8 %	70-130		04/14/23	04/18/23	
Surrogate: Toluene-d8	101 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	103 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	ND	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

SW6

E304076-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		04/14/23	04/18/23	
Surrogate: Toluene-d8	99.9 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene	99.5 %	70-130		04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.1 %	70-130		04/14/23	04/18/23	
Surrogate: Toluene-d8	99.9 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	99.7 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	ND	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

SW7

E304076-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	04/14/23	04/18/23	
Surrogate: Toluene-d8		99.8 %	70-130	04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene		101 %	70-130	04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	04/14/23	04/18/23	
Surrogate: Toluene-d8		99.8 %	70-130	04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane		102 %	50-200	04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	ND	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

SW9

E304076-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/14/23	04/18/23	
Surrogate: Toluene-d8		100 %	70-130	04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene		100 %	70-130	04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	04/14/23	04/18/23	
Surrogate: Toluene-d8		100 %	70-130	04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane		106 %	50-200	04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	ND	20.0	1	04/14/23	04/15/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 11:21:48AM

BG1

E304076-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene	99.1 %	70-130		04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		04/14/23	04/18/23	
Surrogate: Toluene-d8	102 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315075
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
Surrogate: Bromofluorobenzene	99.1 %	70-130		04/14/23	04/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.9 %	70-130		04/14/23	04/18/23	
Surrogate: Toluene-d8	102 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2316004
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	107 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2315088
Chloride	ND	20.0	1	04/14/23	04/15/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 11:21:48AM

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 (2315075-BLK1)

Prepared: 04/14/23 Analyzed: 04/17/23

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	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2315075-BS1)

Prepared: 04/14/23 Analyzed: 04/17/23

Benzene	2.32	0.0250	2.50		93.0	70-130			
Ethylbenzene	2.26	0.0250	2.50		90.5	70-130			
Toluene	2.27	0.0250	2.50		90.6	70-130			
o-Xylene	2.24	0.0250	2.50		89.4	70-130			
p,m-Xylene	4.40	0.0500	5.00		87.9	70-130			
Total Xylenes	6.63	0.0250	7.50		88.4	70-130			
Surrogate: Bromofluorobenzene	0.477		0.500		95.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.511		0.500		102	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike (2315075-MS1)

Source: E304076-01

Prepared: 04/14/23 Analyzed: 04/17/23

Benzene	2.24	0.0250	2.50	ND	89.6	48-131			
Ethylbenzene	2.17	0.0250	2.50	ND	86.8	45-135			
Toluene	2.18	0.0250	2.50	ND	87.1	48-130			
o-Xylene	2.22	0.0250	2.50	ND	88.8	43-135			
p,m-Xylene	4.32	0.0500	5.00	ND	86.3	43-135			
Total Xylenes	6.54	0.0250	7.50	ND	87.2	43-135			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		98.9	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			

Matrix Spike Dup (2315075-MSD1)

Source: E304076-01

Prepared: 04/14/23 Analyzed: 04/17/23

Benzene	2.34	0.0250	2.50	ND	93.7	48-131	4.39	23	
Ethylbenzene	2.31	0.0250	2.50	ND	92.6	45-135	6.44	27	
Toluene	2.31	0.0250	2.50	ND	92.5	48-130	6.06	24	
o-Xylene	2.36	0.0250	2.50	ND	94.2	43-135	5.90	27	
p,m-Xylene	4.65	0.0500	5.00	ND	92.9	43-135	7.39	27	
Total Xylenes	7.00	0.0250	7.50	ND	93.4	43-135	6.88	27	
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 11:21:48AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315075-BLK1)

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			

LCS (2315075-BS2)

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0		94.0	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			

Matrix Spike (2315075-MS2)

Source: E304076-01

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	44.8	20.0	50.0	ND	89.6	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.513		0.500		103	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

Matrix Spike Dup (2315075-MSD2)

Source: E304076-01

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	46.2	20.0	50.0	ND	92.3	70-130	3.04	20	
Surrogate: Bromofluorobenzene	0.489		0.500		97.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.524		0.500		105	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported: 4/20/2023 11:21:48AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2316004-BLK1)					Prepared: 04/17/23 Analyzed: 04/18/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	57.9		50.0		116	50-200			

LCS (2316004-BS1)					Prepared: 04/17/23 Analyzed: 04/18/23				
Diesel Range Organics (C10-C28)	263	25.0	250		105	38-132			
Surrogate: n-Nonane	50.7		50.0		101	50-200			

Matrix Spike (2316004-MS1)					Source: E304076-04		Prepared: 04/17/23 Analyzed: 04/18/23		
Diesel Range Organics (C10-C28)	253	25.0	250	ND	101	38-132			
Surrogate: n-Nonane	49.8		50.0		99.6	50-200			

Matrix Spike Dup (2316004-MSD1)					Source: E304076-04		Prepared: 04/17/23 Analyzed: 04/18/23		
Diesel Range Organics (C10-C28)	258	25.0	250	ND	103	38-132	1.78	20	
Surrogate: n-Nonane	49.6		50.0		99.1	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 11:21:48AM

Anions by EPA 300.0/9056A

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 (2315088-BLK1)					Prepared: 04/14/23 Analyzed: 04/14/23				
Chloride	ND	20.0							
LCS (2315088-BS1)					Prepared: 04/14/23 Analyzed: 04/17/23				
Chloride	265	20.0	250		106	90-110			
Matrix Spike (2315088-MS1)					Source: E304076-01		Prepared: 04/14/23 Analyzed: 04/14/23		
Chloride	701	20.0	250	483	87.3	80-120			
Matrix Spike Dup (2315088-MSD1)					Source: E304076-01		Prepared: 04/14/23 Analyzed: 04/15/23		
Chloride	825	20.0	250	483	137	80-120	16.2	20	M2

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:	Jayhawk 7 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/20/23 11:21

- M2 Matrix spike recovery was outside quality control limits. 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

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 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: Jayhawk TCTB 3					Attention: <u>DEVON</u>		Lab WO# <u>3040710</u>		Job Number <u>0058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method									
Address: 5614 N. Lovington Hwy.					City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip Hobbs, NM, 88240					Phone:		Chloride 300.0									
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>290</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											
10:20	4/11/23	S	1	S11-1'	1											
10:25				S11-2'	2											
10:30				S11-3'	3											
10:35				S11-4'	4											
10:40				SW1	5											
10:45				SW2	6											
10:50				SW3	7											
10:55				SW4	8											
11:00				SW5	9											
11:05				SW6	10											
Additional Instructions:																
Billing #: 21147066																
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: <u>Audiana Benavides</u>																
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.								
<u>AB</u>		4-13-23	2:00	<u>Muelle Gough</u>		4-13-23	1400	Lab Use Only								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Received on ice: <u>Y</u> / N								
<u>Muelle Gough</u>		4-13-23	1600	<u>Carla Chate</u>		4/14/23	8:30	T1 T2 T3								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
								Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA								
Sample Matrix: <u>S</u> - Soil, <u>sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

envirotec

Received by OCD: 6/30/2023 1:48:54 PM

Billing #: 2147066

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


Lab Use Only

Received on ice: O / N

T1: _____ T2: _____ T3: _____

AVG Temp °C 4

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



Envirotech Analytical Laboratory

Printed: 4/14/2023 10:29:42AM

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:	04/13/23 08:30	Work Order ID:	E304076
Phone:	(575) 631-6977	Date Logged In:	04/13/23 17:02	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	04/19/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Jayhawk 7 CTB 3 has been separated into 3 reports due to sample volume. Workorders are as follows: E304074, E304075 & E304076.

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.

Envirotech Analytical Laboratory

Printed: 4/17/2023 12:16:34PM

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:	04/14/23 08:30	Work Order ID:	E304076
Phone:	(575) 631-6977	Date Logged In:	04/13/23 17:02	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	04/20/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: Courier**Comments/Resolution**

Project Jayhawk 7 CTB 3 has been separated into 3 reports due to sample volume. Workorders are as follows: E304074, E304075 & E304076.

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: Jayhawk 7 CTB 3

Work Order: E304075

Job Number: 01058-0007

Received: 4/14/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
4/20/23

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: 4/20/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Jayhawk 7 CTB 3
Workorder: E304075
Date Received: 4/14/2023 8:30:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/14/2023 8:30:00AM, under the Project Name: Jayhawk 7 CTB 3.

The analytical test results summarized in this report with the Project Name: Jayhawk 7 CTB 3 apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S6 - 1'	6
S6 - 2'	7
S6 - 3'	8
S6 - 4'	9
S7 - 1'	10
S7 - 2'	11
S7 - 3'	12
S7 - 4'	13
S8 - 1'	14
S8 - 2'	15
S8 - 3'	16
S8 - 4'	17
S9 - 1'	18
S9 - 2'	19
S9 - 3'	20
S9 - 4'	21
S10 - 1'	22
S10 - 2'	23
S10 - 3'	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:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/20/23 16:15

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6 - 1'	E304075-01A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S6 - 2'	E304075-02A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S6 - 3'	E304075-03A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S6 - 4'	E304075-04A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S7 - 1'	E304075-05A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S7 - 2'	E304075-06A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S7 - 3'	E304075-07A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S7 - 4'	E304075-08A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S8 - 1'	E304075-09A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S8 - 2'	E304075-10A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S8 - 3'	E304075-11A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S8 - 4'	E304075-12A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S9 - 1'	E304075-13A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S9 - 2'	E304075-14A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S9 - 3'	E304075-15A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S9 - 4'	E304075-16A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S10 - 1'	E304075-17A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S10 - 2'	E304075-18A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S10 - 3'	E304075-19A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.
S10 - 4'	E304075-20A	Soil	04/11/23	04/14/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S6 - 1'

E304075-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
Surrogate: 4-Bromochlorobenzene-PID	97.5 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID	96.7 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2316002
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
Surrogate: n-Nonane	97.1 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315087
Chloride	465	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S6 - 2'

E304075-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2316002
Diesel Range Organics (C10-C28)	25.3	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315087
Chloride	140	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S6 - 3'

E304075-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.2 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.3 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	97.9 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	24.6	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S6 - 4'

E304075-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.0 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2316002
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	93.8 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315087
Chloride	24.2	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S7 - 1'

E304075-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.9 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.7 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	99.7 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	471	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S7 - 2'

E304075-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.5 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2316002
Diesel Range Organics (C10-C28)	25.6	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	98.8 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315087
Chloride	135	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S7 - 3'

E304075-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	96.8 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	ND	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S7 - 4'

E304075-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	94.0 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	25.2	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S8 - 1'

E304075-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	97.2 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	477	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S8 - 2'

E304075-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.8 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.4 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	94.4 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	131	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S8 - 3'

E304075-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.4 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	96.8 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	21.7	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S8 - 4'

E304075-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	97.9 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	ND	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S9 - 1'

E304075-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/17/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/17/23	
Toluene	ND	0.0250	1	04/14/23	04/17/23	
o-Xylene	ND	0.0250	1	04/14/23	04/17/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/17/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/17/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.4 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/17/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.3 %	70-130		04/14/23	04/17/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	99.8 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	452	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S9 - 2'

E304075-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.9 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	26.8	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	96.9 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	135	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S9 - 3'

E304075-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	24.5	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S9 - 4'

E304075-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.3 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.3 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2316002
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	99.5 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315087
Chloride	ND	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S10 - 1'

E304075-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.9 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	98.6 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	414	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S10 - 2'

E304075-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.0 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.9 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	95.7 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	137	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S10 - 3'

E304075-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.6 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2315074	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.2 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: JL		Batch: 2316002	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/19/23	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		04/18/23	04/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315087	
Chloride	25.4	20.0	1	04/18/23	04/18/23	



Sample Data

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

Project Name: Jayhawk 7 CTB 3
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/20/2023 4:15:10PM

S10 - 4'

E304075-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Benzene	ND	0.0250	1	04/14/23	04/18/23	
Ethylbenzene	ND	0.0250	1	04/14/23	04/18/23	
Toluene	ND	0.0250	1	04/14/23	04/18/23	
o-Xylene	ND	0.0250	1	04/14/23	04/18/23	
p,m-Xylene	ND	0.0500	1	04/14/23	04/18/23	
Total Xylenes	ND	0.0250	1	04/14/23	04/18/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2315074
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/14/23	04/18/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.8 %	70-130		04/14/23	04/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: JL		Batch: 2316002
Diesel Range Organics (C10-C28)	ND	25.0	1	04/18/23	04/20/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/18/23	04/20/23	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		04/18/23	04/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315087
Chloride	ND	20.0	1	04/18/23	04/19/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 4:15:10PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315074-BLK1)

Prepared: 04/14/23 Analyzed: 04/17/23

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	7.74		8.00		96.8	70-130			

LCS (2315074-BS1)

Prepared: 04/14/23 Analyzed: 04/17/23

Benzene	4.83	0.0250	5.00		96.6	70-130			
Ethylbenzene	4.83	0.0250	5.00		96.5	70-130			
Toluene	4.95	0.0250	5.00		99.0	70-130			
o-Xylene	4.95	0.0250	5.00		98.9	70-130			
p,m-Xylene	9.83	0.0500	10.0		98.3	70-130			
Total Xylenes	14.8	0.0250	15.0		98.5	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.85		8.00		98.2	70-130			

Matrix Spike (2315074-MS1)

Source: E304075-01

Prepared: 04/14/23 Analyzed: 04/17/23

Benzene	4.81	0.0250	5.00	ND	96.2	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	96.1	61-133			
Toluene	4.93	0.0250	5.00	ND	98.7	61-130			
o-Xylene	4.91	0.0250	5.00	ND	98.3	63-131			
p,m-Xylene	9.78	0.0500	10.0	ND	97.8	63-131			
Total Xylenes	14.7	0.0250	15.0	ND	97.9	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2315074-MSD1)

Source: E304075-01

Prepared: 04/14/23 Analyzed: 04/17/23

Benzene	4.78	0.0250	5.00	ND	95.6	54-133	0.597	20	
Ethylbenzene	4.78	0.0250	5.00	ND	95.6	61-133	0.457	20	
Toluene	4.89	0.0250	5.00	ND	97.9	61-130	0.817	20	
o-Xylene	4.88	0.0250	5.00	ND	97.6	63-131	0.656	20	
p,m-Xylene	9.74	0.0500	10.0	ND	97.4	63-131	0.413	20	
Total Xylenes	14.6	0.0250	15.0	ND	97.5	63-131	0.494	20	
Surrogate: 4-Bromochlorobenzene-PID	7.79		8.00		97.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 4:15:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315074-BLK1)

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.71		8.00		96.4	70-130			

LCS (2315074-BS2)

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130			

Matrix Spike (2315074-MS2)

Source: E304075-01

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	49.2	20.0	50.0	ND	98.4	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.86		8.00		98.2	70-130			

Matrix Spike Dup (2315074-MSD2)

Source: E304075-01

Prepared: 04/14/23 Analyzed: 04/17/23

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0	ND	99.0	70-130	0.638	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 4:15:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2316002-BLK1)

Prepared: 04/17/23 Analyzed: 04/19/23

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.9		50.0		95.9	50-200			

LCS (2316002-BS1)

Prepared: 04/17/23 Analyzed: 04/19/23

Diesel Range Organics (C10-C28)	231	25.0	250		92.3	38-132			
Surrogate: n-Nonane	44.6		50.0		89.1	50-200			

Matrix Spike (2316002-MS1)

Source: E304075-08

Prepared: 04/17/23 Analyzed: 04/19/23

Diesel Range Organics (C10-C28)	227	25.0	250	ND	90.6	38-132			
Surrogate: n-Nonane	46.1		50.0		92.3	50-200			

Matrix Spike Dup (2316002-MSD1)

Source: E304075-08

Prepared: 04/17/23 Analyzed: 04/19/23

Diesel Range Organics (C10-C28)	211	25.0	250	ND	84.3	38-132	7.25	20	
Surrogate: n-Nonane	47.4		50.0		94.8	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Jayhawk 7 CTB 3	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/20/2023 4:15:10PM

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 (2315087-BLK1)					Prepared: 04/18/23 Analyzed: 04/18/23				
Chloride	ND	20.0							
LCS (2315087-BS1)					Prepared: 04/18/23 Analyzed: 04/18/23				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2315087-MS1)					Source: E304075-01		Prepared: 04/18/23 Analyzed: 04/18/23		
Chloride	732	20.0	250	465	107	80-120			
Matrix Spike Dup (2315087-MSD1)					Source: E304075-01		Prepared: 04/18/23 Analyzed: 04/18/23		
Chloride	708	20.0	250	465	97.1	80-120	3.30	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:	Jayhawk 7 CTB 3	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/20/23 16:15

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

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

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



Project Information

Chain of Custody

Page 3 of 6

Client: Pima Environmental Services					Bill To					Lab Use Only					TAT				EPA Program																							
Project: Jayhawk 7C1B3					Attention: Devon					Lab WO# F304075					Job Number 0058-0007				1D		2D		3D		Standard		CWA		SDWA													
Project Manager: Tom Bynum					Address:					Analysis and Method																																
Address: 5614 N. Lovington Hwy.					City, State, Zip					DRO/ORO by 8015					GRO/DRO by 8015				BTEX by 8021				VOC by 8260				Metals 6010				Chloride 300.0				BGDOC NM				BGDOC TX			
City, State, Zip Hobbs, NM, 88240					Phone:																																					
Phone: 580-748-1613					Email:																																					
Email: tom@pimaoil.com					Pima Project # 290																																					
Report due by:																																										

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:40	4/11/23	S	1	S6-1'	1							X		
8:45				S6-2'	2									
8:50				S6-3'	3									
8:55				S6-4'	4									
9:00				S7-1'	5									
9:05				S7-2'	6									
9:10				S7-3'	7									
9:15				S7-4'	8									
9:20				S8-1'	9									
9:25				S8-2'	10									

Additional Instructions: Billing #: 21147066

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

Relinquished by: (Signature) AS Date 4-13-23 Time 2:00 Received by: (Signature) Michelle Campbell Date 4-13-23 Time 1400

Relinquished by: (Signature) Michelle Campbell Date 4-13-23 Time 1600 Received by: (Signature) Keith Ch... Date 4/14/23 Time 8:30

Relinquished by: (Signature) Date Time Received by: (Signature) Date Time

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

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

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

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Project Information

Chain of Custody

Page 4 of 40

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Sayhawk 7 CTB 3</u>					Attention: <u>DeVon</u>		Lab WO# <u>E304015</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip Hobbs, NM, 88240					Phone:		Chloride 300.0						BGDOC NM		BGDOC TX	
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>290</u>										State	
Report due by:															NM CO UT AZ TX	
															Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											
9:30	4/11/23	S	1	S8-3'	11									X		
9:35				S8-4'	12											
9:40				S9-1'	13											
9:45				S9-2'	14											
9:50				S9-3'	15											
9:55				S9-4'	16											
10:00				S10-1'	17											
10:05				S10-2'	18											
10:10				S10-3'	19											
10:15				S10-4'	20											
Additional Instructions: <u>Billing #: 21147066</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. <u>Sampled by: Audriana Benavidez</u>																
Relinquished by: (Signature) <u>AB</u>		Date <u>4-13-23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Combs</u>		Date <u>4-13-23</u>	Time <u>1400</u>	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.								
Relinquished by: (Signature) <u>Michelle Combs</u>		Date <u>4-23-23</u>	Time <u>1600</u>	Received by: (Signature) <u>Chella Chute</u>		Date <u>4/14/23</u>	Time <u>8:30</u>	Lab Use Only Received on ice: <u>(Y) / N</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
								AVG Temp °C <u>4</u>								
Sample Matrix: <u>S</u> - Sol, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																

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Envirotech Analytical Laboratory

Printed: 4/17/2023 12:13:06PM

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:	04/14/23 08:30	Work Order ID:	E304075
Phone:	(575) 631-6977	Date Logged In:	04/13/23 17:00	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	04/20/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Jayhawk 7 CTB 3 has been separated into 3 reports due to sample volume. Workorders are as follows: E304074, E304075 & E304076. White out present on COC when received from client.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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 234991

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 234991
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/22/2023