Mage 1 of 158
State of New Mexico

Incident ID	nAPP2309134922
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?					
Did this release impact groundwater or surface water?	Yes X No				
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X 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)?	☐ Yes 🗓 No				
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X 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?	☐ Yes ☑ No				
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?					
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes k☐ No				
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No				
Are the lateral extents of the release overlying a subsurface mine?	Yes No				
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes X No				
Are the lateral extents of the release within a 100-year floodplain?	Yes No				
Did the release impact areas not on an exploration, development, production, or storage site?	Yes No				
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil				
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 well Field data 	ls.				
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					
X 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.

Received by OCD: 6/12/2023 8:36:03 AM State of New Mexico
Page 4 Oil Conservation Division

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	- 1180 = 0J = 1
Incident ID	nAPP2309134922
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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: Dals Woodall	Date: 6/12/2023						
email:dale.woodall@dvn.com	Telephone: _ 575-748-1839						
OCD Only							
Received by: Jocelyn Harimon	Date:06/12/2023						

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Incident ID	nAPP2309134922
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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 Attachi	ment Checklist: Each of the following i	items must be in	included in the closure report.					
X A scaled site and san	X A scaled site and sampling diagram as described in 19.15.29.11 NMAC							
x 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)								
X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)								
Description of remed	liation activities							
may endanger public healt should their operations have human health or the environ compliance with any other restore, reclaim, and re-vertical accordance with 19.15.29.	th or the environment. The acceptance of we failed to adequately investigate and report on the failed to adequately investigate and report of the failed to addition, OCD acceptance of federal, state, or local laws and/or regular getate the impacted surface area to the color NMAC including notification to the Color of the failed by the f	Fa C-141 report mediate contam a C-141 report ations. The responditions that ex OCD when recla	fications and perform corrective actions for releases which or by the OCD does not relieve the operator of liability mination that pose a threat to groundwater, surface water, at does not relieve the operator of responsibility for esponsible party acknowledges they must substantially existed prior to the release or their final land use in clamation and re-vegetation are complete.					
Printed Name: Dale Wo			Environmental Professional					
Signature: <i>Dale Wi</i>	oodall	Date:6/12	2/2023					
email:dale.woodall@	dvn.com	Telephone:	575-748-1839					
OCD Only								
-	elyn Harimon	Date:	:06/12/2023					
remediate contamination tl		water, human ho	ould their operations have failed to adequately investigate a health, or the environment nor does not relieve the responsible.					
Closure Approved by:	Nelson Velez	Date	nte:09/12/2023					
Printed Name:	Nelson Velez		tle: Environmental Specialist - Adv					



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

June 8, 2023

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

Re: Site Assessment, Remediation, and Closure Report

Cobber 21 33 Federal Com #3H

API No. 30-025-46920

GPS: Latitude 32.035538 Longitude -103.47832

UL -- C, 21, T26S, R34E Lea County, NM

NMOCD Ref. No. NAPP2309134922

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a surface-stained soils assessment, remediation activities, and submit this closure report for a surface-stained writing noticed by the BLM, the release that occurred at the Cobber 21 33 Federal Com #3H (Cobber). The initial C-141 was submitted on April 7, 2023 (Appendix C). This incident was assigned Incident IDNAPP2309134922 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Cobber is located approximately seventeen (17) miles southwest of Jal, NM. This spill site is in Unit C, Section 21, Township 26S, Range 34E, Latitude 32.035538 Longitude -103.47832, 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 Eolian and piedmont deposits Interlayered eolian sands and piedmont-slope deposits along the eastern flank of the Pecos River valley, primarily between Roswell and Carlsbad. Typically capped by thin eolian deposits. The soil in this area is made up of Pyote and Maljamar Fine sands, 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 Cobber (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 80 feet BGS. The closest waterway is a Red Bluff Reservoir located approximately 26.1 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	Constituent & Limits									
(Appendix A)	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.

Release Information

NAPP2309134922: On March 28, 2023, The US BLM sent a written notice order on 3/28/2023 of surface-stained soils for the location. The released fluids were calculated to be approximately 9.9 barrels (bbls) of fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

On April 7, 2023, Pima mobilized personnel to the site to begin collecting soil samples from stained 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.

4/7/2023 Soil Sample Results

4/1/2023 30H 3dHiple Results											
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50') DEVON ENERGY -COBBER 21 33 FEDERAL COM #003H											
Sample Date: 4/7/2023 NM Approved Laboratory Results											
	Sample	Date: 4///.	2023	NIVI		Laboratory	nesuits				
Sample ID	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	Cl			
Sumple 15	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg			
	1'	ND	ND	ND	81.3	74.8	156.1	793			
S-1	2'	ND	ND	ND	37.3	ND	37.3	135			
31	3'	ND	ND	ND	ND	ND	0	ND			
	4'	ND	ND	ND	ND	ND	0	ND			
	1'	ND	ND	ND	57.9	ND	57.9	924			
S-2	2'	ND	ND	ND	34	ND	34	130			
3-2	3'	ND	ND	ND	ND	ND	0	33			
	4'	ND	ND	ND	ND	ND	0	ND			
	1'	ND	ND	ND	32.1	ND	32.1	132			
S-3	2'	ND	ND	ND	295	ND	295	137			
3-3	3'	ND	ND	ND	ND	ND	0	31			
	4'	ND	ND	ND	ND	ND	0	ND			
	1'	ND	ND	ND	32.9	ND	32.9	177			
S-4	2'	ND	ND	ND	ND	ND	0	24.3			
3-4	3'	ND	ND	ND	ND	ND	0	31.6			
	4'	ND	ND	ND	ND	ND	0	ND			
	1'	ND	ND	ND	29	ND	29	623			
	2'	ND	ND	ND	31	ND	31	127			
S-5	3'	ND	ND	ND	ND	ND	0	27.5			
1	4'	ND	ND	ND	ND	ND	0	ND			
	1'	ND	ND	ND	54.7	62.1	116.8	786			
	2'	ND	ND	ND	37.5	57.9	95.4	131			
S6	3'	ND	ND	ND	ND	ND	0	31.5			
1	4'	ND	ND	ND	ND	ND	0	ND			
	1'	ND	ND	ND	46.1	51	97.1	617			
S7	2'	ND	ND	ND	ND	ND	0	ND			
5/	3'	ND	ND	ND	ND	ND	0	ND			
	4'	ND	ND	ND	ND	ND	0	ND			
	1'	ND	ND	ND	57.3	70.4	127.7	834			
S8	2'	ND	ND	ND	65.4	90.5	155.9	132			
58	3'	ND	ND	ND	ND	ND	0	29.4			
	4'	ND	ND	ND	ND	ND	0	ND			
	1'	ND	ND	ND	48.4	63	111.4	1120			
S9	2'	ND	ND	ND	31.5	ND	31.5	133			
29	3'	ND	ND	ND	ND	ND	0	32			
	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			
BG 1	6"	ND	ND	ND	ND	ND	0	ND			

ND- Analyte Not Detected

On May 28, 2023, the Devon Construction Department mobilized personnel and equipment to begin remediation activities. They began excavating the area to a depth of 2' BGS. The contaminated soil, 1,000 cubic yards was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On June 1 & 2, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to begin collecting confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

6-1 & 2 -2023 Confirmation Sample Results

	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')											
	DEVON ENERGY -COBBER 21 33 FEDERAL COM #003H											
	NM Approved Laboratory Results											
Sample ID	Sample Date	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg			
CS 1		2'	ND	ND	ND	ND	ND	0	ND			
CS 2		2'	ND	ND	ND	ND	ND	0	ND			
CS 3		2'	ND	ND	ND	ND	ND	0	ND			
CS 4	6/1/2023	2'	ND	ND	ND	ND	ND	0	ND			
CS 5	0/1/2023	2'	ND	ND	ND	ND	ND	0	ND			
CS 6		2'	ND	ND	ND	ND	ND	0	ND			
CS 7		2'	ND	ND	ND	ND	ND	0	ND			
CS 8		2'	ND	ND	ND	ND	ND	0	ND			
CSW 1		2'	ND	ND	ND	ND	ND	0	ND			
CSW 2		2'	ND	ND	ND	ND	ND	0	ND			
CSW 3		2'	ND	ND	ND	ND	ND	0	ND			
CSW 4		2'	ND	ND	ND	ND	ND	0	ND			
CSW 5		2'	ND	ND	ND	ND	ND	0	ND			
CSW 6		2'	ND	ND	ND	ND	ND	0	ND			
CSW 7		2'	ND	ND	ND	ND	ND	0	ND			
CSW 8	6/2/2023	2'	ND	ND	ND	ND	ND	0	ND			
CSW 9	0/2/2023	2'	ND	ND	ND	ND	ND	0	ND			
CSW 10		2'	ND	ND	ND	ND	ND	0	ND			
CSW 11		2'	ND	ND	ND	ND	ND	0	ND			
CSW 12		2'	ND	ND	ND	ND	ND	0	ND			
CSW 13		2'	ND	ND	ND	ND	ND	0	ND			
CSW 14		2'	ND	ND	ND	ND	ND	0	ND			
CSW 15		2'	ND	ND	ND	ND	ND	0	ND			
CSW 16		2'	ND	ND	ND	ND	ND	0	ND			

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was sufficiently removed then transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and returned to its previous state. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2309134922, 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
- 5- Confirmation Sample Map

Appendices:

Appendix A – Referenced Water Surveys

Appendix B – Soil Survey and Geological Data

Appendix C – C-141 Form and 48 Hour Notification

Appendix D – Photographic Documentation

Appendix E – Laboratory Reports



Figures:

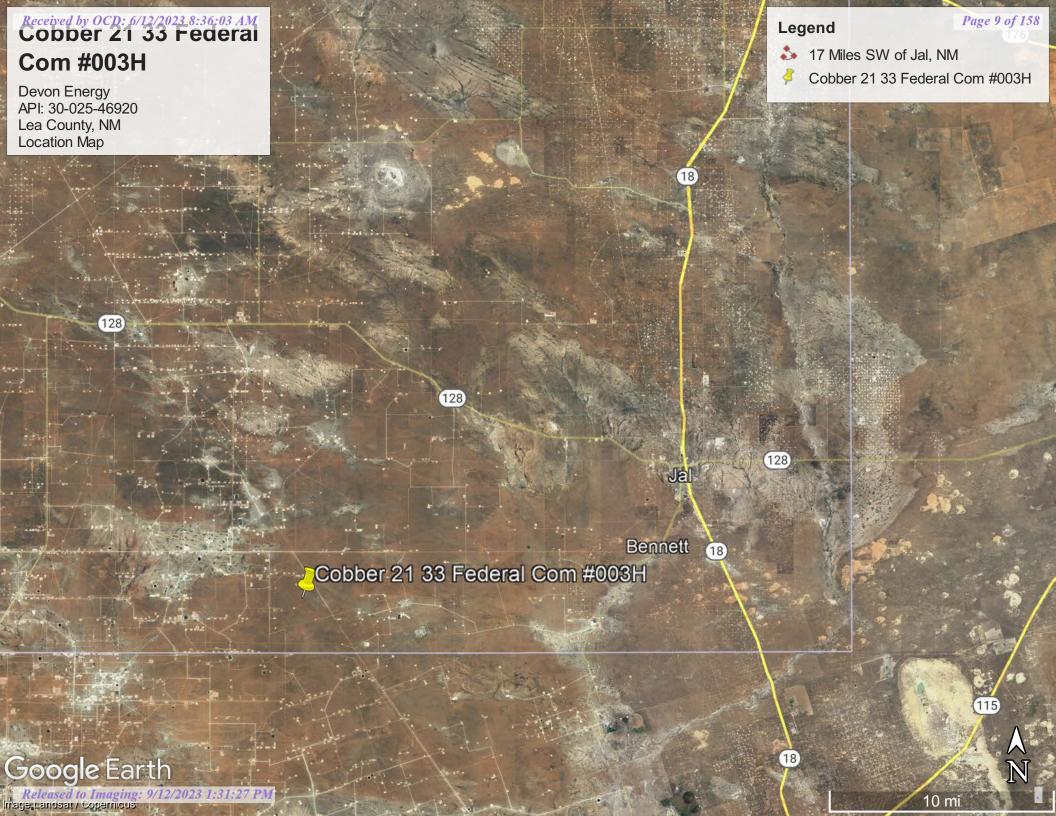
1-Location Map

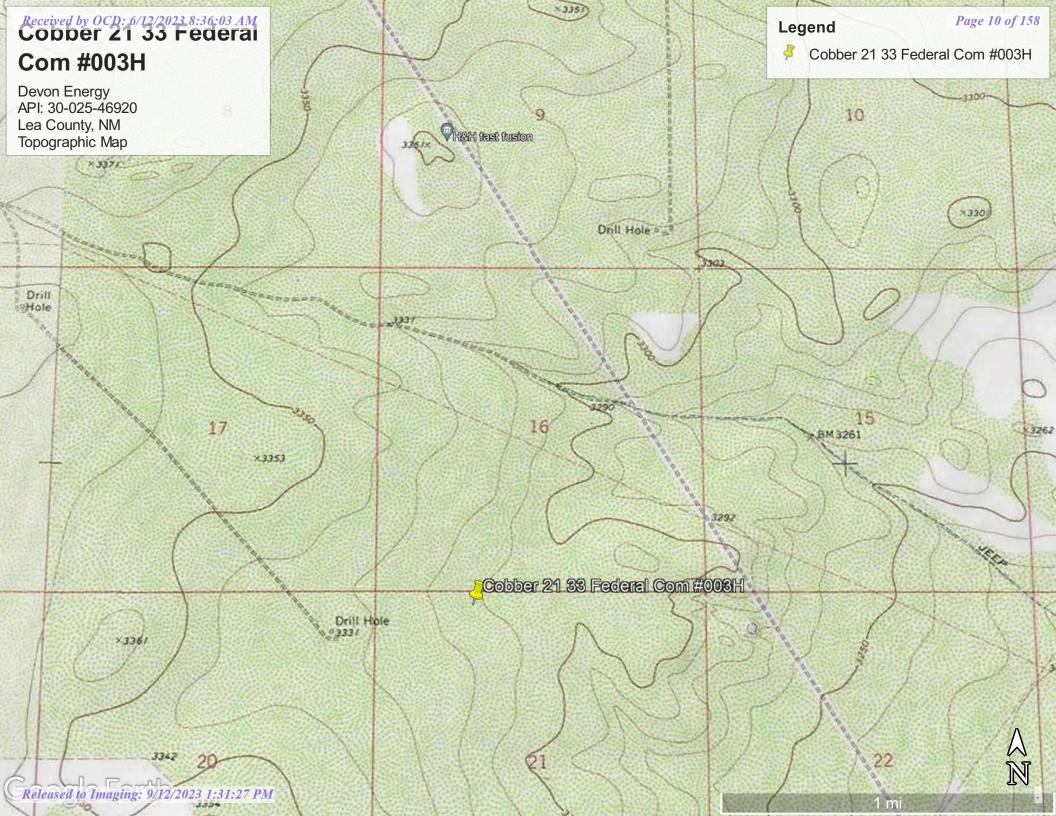
2-Topographic Map

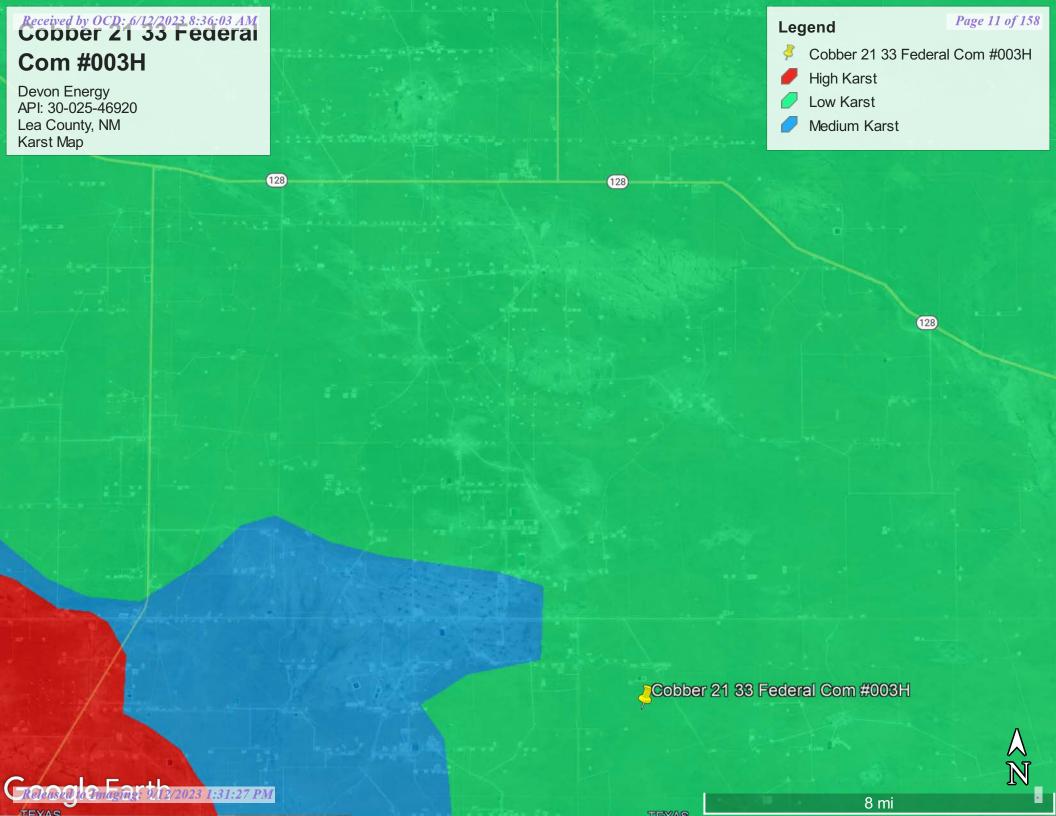
3-Karst Map

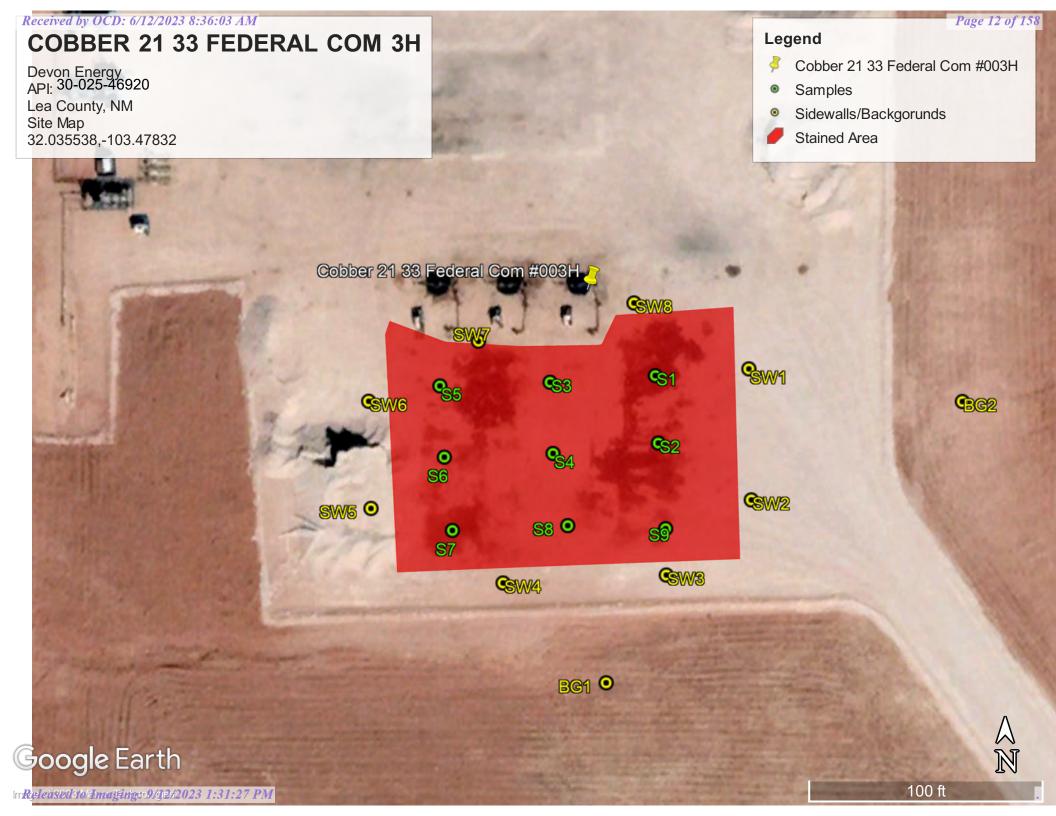
4-Site Map

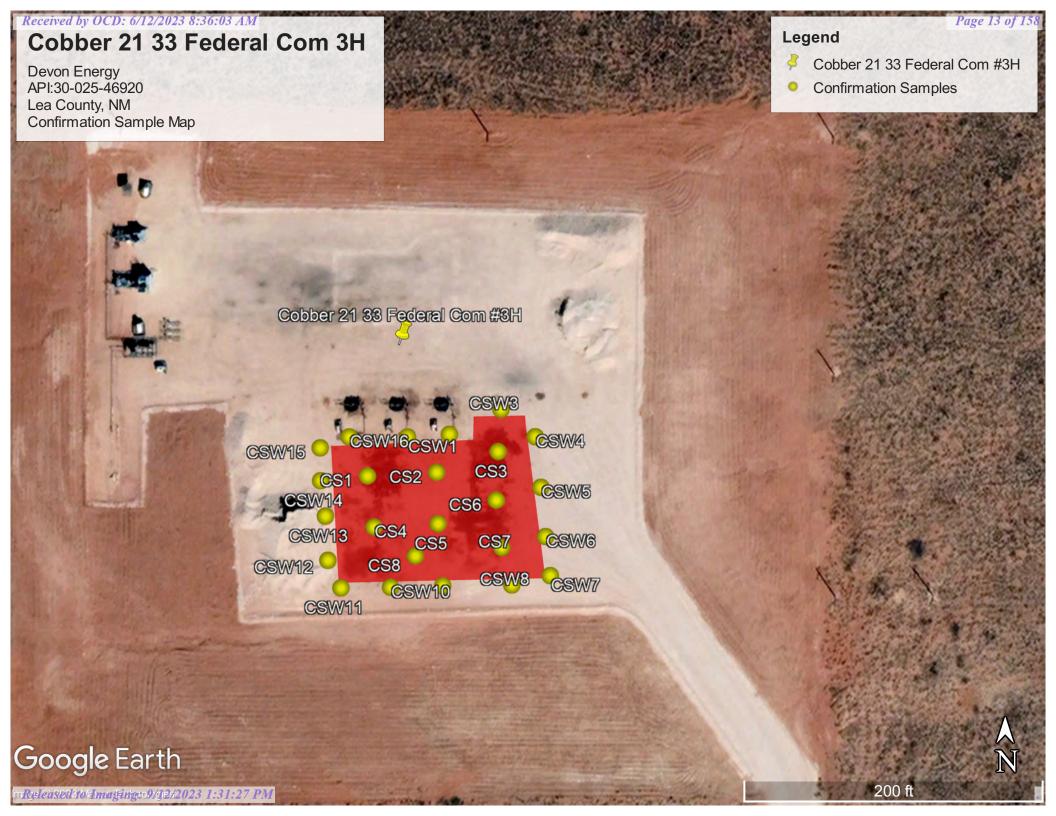
5-Confirmation Sample Map













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

		Sub-		Q	Q	Q								V	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDept	hWellDe	pthWater C	olumn
C 04583 POD1		CUB	LE	3	3	3	15	26S	34E	644920	3545643	1262	55		
C 04626 POD1		CUB	LE	4	2	1	18	26S	34E	640644	3546672	3300			
<u>C 02295</u>		CUB	LE	2	2	4	12	26S	33E	639865	3547624	4426	250	200	50

Average Depth to Water:

200 feet

Minimum Depth:

200 feet

Maximum Depth:

200 feet

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 643683.65 **Northing (Y):** 3545386.47 **Radius:** 5000

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.

4/3/23 2:41 PM

WATER COLUMN/ AVERAGE DEPTH TO WATER



USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

USGS Water Resources	Data Category:		Geographic Area:		
0303 Water Resources	Groundwater	~	United States	~	GO

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site no list =

320056103333501

~ GO

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

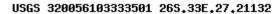
USGS 320056103333501 26S.33E.27.21132

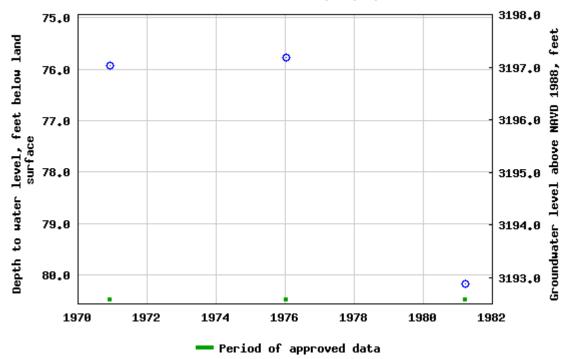
Available data for this site	Groundwater: Field measureme	ents 🕶 GO
Lea County, New Mexico		
Hydrologic Unit Code 1307	0001	
Latitude 32°00'56", Longi	tude 103°33'35" NAD27	
Land-surface elevation 3,2	73 feet above NAVD88	
This well is completed in the	ne Other aquifers (N9999	OTHER) national aquifer.
This well is completed in the	ne Alluvium, Bolson Depo	sits and Other Surface Deposits
(110AVMB) local aquifer.		

Output formats

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

Released to Imaging: 9/12/2023 1:31:27 PM





Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data?
Feedback on this web site
Automated retrievals
Help
Data Tips
Explanation of terms
Subscribe for system changes
News

Accessibility

FOIA

Privacy

Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey

Title: Groundwater for USA: Water Levels

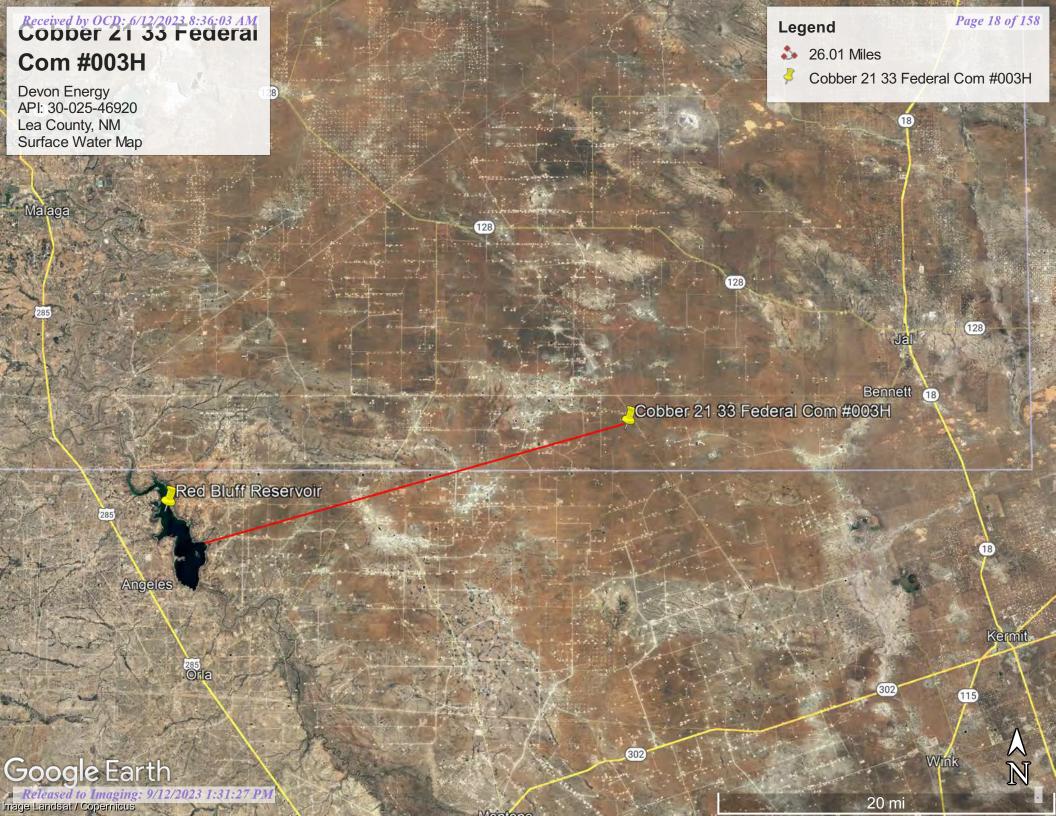
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u>

Page Last Modified: 2023-04-03 16:40:11 EDT

0.55 0.47 nadww01







Appendix B

Soil Survey & Geological Data FEMA Flood Map Wetlands Map

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq Elevation: 3,000 to 3,900 feet

Mean annual precipitation: 10 to 12 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

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Pyote

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

Typical profile

A - 0 to 30 inches: fine sand

Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat): High

(2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0

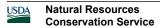
mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e



Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: A

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Description of Maljamar

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

Typical profile

A - 0 to 24 inches: fine sand

Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: 40 to 60 inches to petrocalcic

Drainage class: Well drained Runoff class: Very low

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: 5 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: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R070BD003NM - Loamy Sand

Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent

Ecological site: R070BC022NM - Sandhills

Hydric soil rating: No

Data Source Information

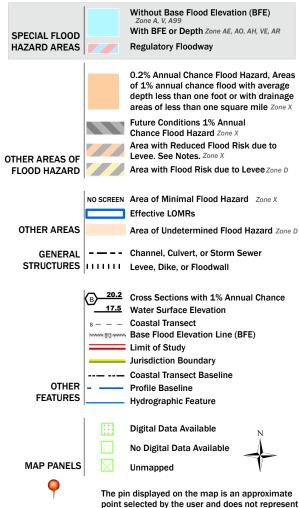
Soil Survey Area: Lea County, New Mexico Survey Area Data: Version 19, Sep 8, 2022

National Flood Hazard Layer FIRMette





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

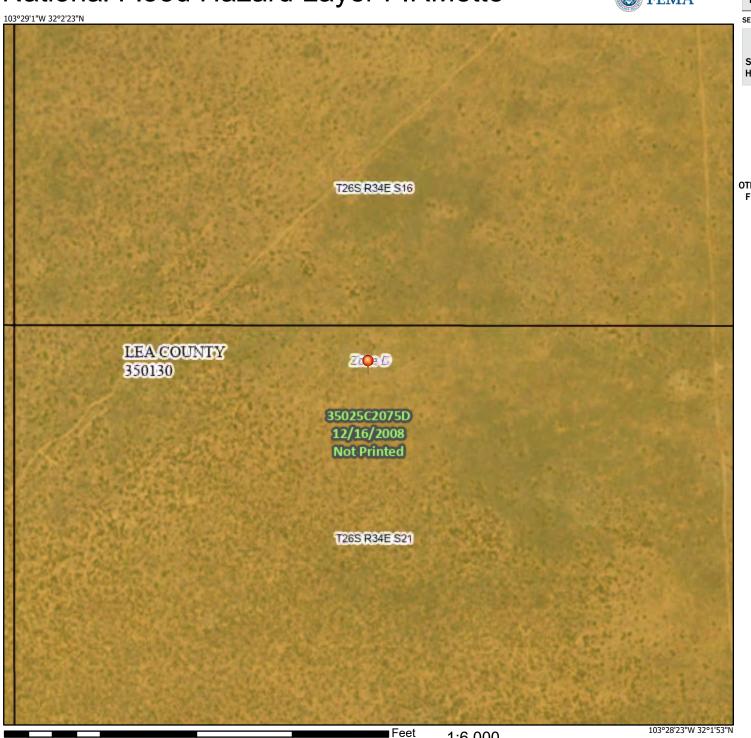


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

an authoritative property location.

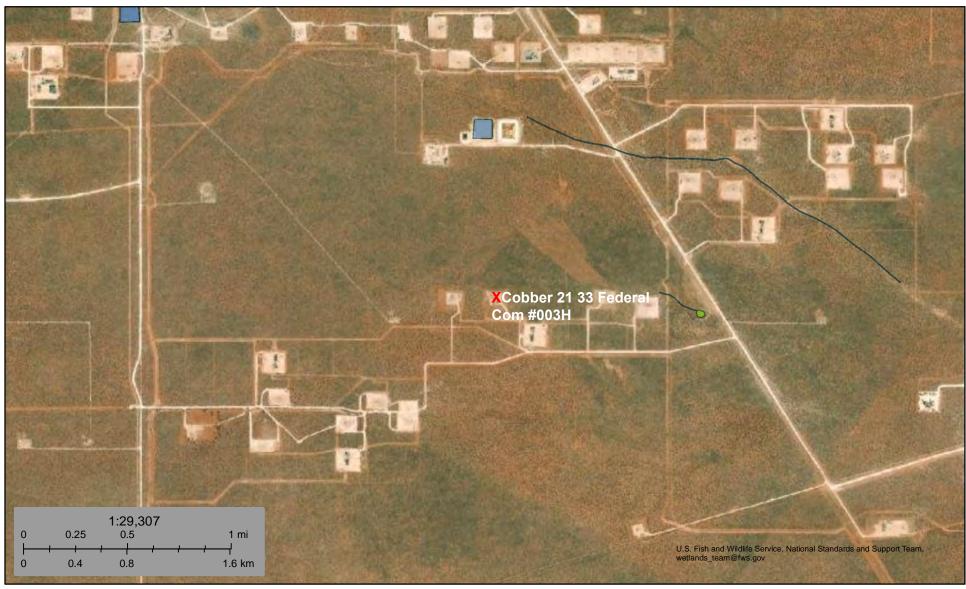
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/3/2023 at 4:43 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new 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 3, 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.



Appendix CC-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	nAPP2309134922
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

			Resp	onsibic i ai t	y	
Responsible	Party Devoi	n Energy Produc	tion Company	OGRID ₆	137	
Contact Name Dale Woodall			Contact To	elephone 575-7	48-1838	
Contact emai	il dale.woo	dall@dvn.com				nAPP2309134922
			Road # 150; Ho	obbs, NM 8824	0	
	.035538			of Release S		32
			(NAD 83 in dec	cimal degrees to 5 decir	nal places)	
Site Name CO	DBBER 21	33 FEDERAL	COM #003H	Site Type	oil	
Date Release				API# (if app	olicable) 30-025	-46920
						7
Unit Letter	Section	Township	Range	Cour	nty	
С	21	26S	34E	LE.	A	
Surface Owner	r: State	■ Federal □ Tr	ibal □ Private (<i>N</i>	Name:)
			Nature and	l Volume of		
Crude Oil		Volume Release		calculations or specific	Volume Reco	volumes provided below)
☐ Produced		Volume Release			Volume Reco	. ,
Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?		Yes N	,			
Condensate Volume Released (bbls)		Volume Reco	vered (bbls)			
☐ Natural Gas Volume Released (Mcf)			Volume Reco	vered (Mcf)		
Other (describe) Volume/Weight Released (provide units) 9.9		e units)	Volume/Weig	ght Recovered (provide units)		
Cause of Rel	ease			_		

The US BLM sent a notice of written order received on 3/28/2023 of surface stained soils for the location. Measurements of the impacted area indicate that 4,454 square feet were impacted, zero fluids recovered, estimated release is 9.9 bbls of liquids

Received by OCD: 6/12/2023/8:36:03/4M State of New Mexico
Page 2 Oil Conservation Division

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Incident ID	nAPP2309134922
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	sible party consider this a major release?
☐ Yes ■ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	Initial Ro	esponse
The responsible	party must undertake the following actions immediatel	vunless they could create a safety hazard that would result in injury
■ The source of the rele	ease has been stopped.	
■ The impacted area ha	s been secured to protect human health and	the environment.
■ Released materials ha	ave been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
■ All free liquids and re	ecoverable materials have been removed and	l managed appropriately.
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a thre	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Dale V	Voodall	Title: Environmental Professional
Signature:Dale W		Date: 4/7/2023
email: dale.wooda	all@dvn.com	Telephone: 575-748-1838
OCD Only		
Received by:Jocelyr	n Harimon	Date:

COBBER 21 33 FEDERAL COM #003H

OCD incident #nAPP2309134922

Spill Volume(Bbls) Calculator		
Inputs in blue	, Outputs in red	
Contaminated S	Soil measurement	
Area (Ft 2) Depth (in)		
<u>4454</u>	<u>1.000</u>	
Cubic Feet of Soil Impacted	<u>371.167</u>	
Barrels of Soil Impacted	<u>66.16</u>	
Soil Type	Clay/Sand	
Barrels of Oil Assuming 100% Saturation	9.92	

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

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 205113

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	205113
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
jharimon	None	4/10/2023

State of New Mexico

Incident ID	nAPP2309134922
District RP	
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Application ID	

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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?	51-100' (ft bgs)	
Did this release impact groundwater or surface water?	Yes X No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	Yes X 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)?	Yes No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	Yes X 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?	☐ Yes ☑ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	Yes No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes k No	
Are the lateral extents of the release within 300 feet of a wetland?	Yes X No	
Are the lateral extents of the release overlying a subsurface mine?	Yes No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	Yes No	
Are the lateral extents of the release within a 100-year floodplain?	Yes No	
Did the release impact areas not on an exploration, development, production, or storage site?	Yes 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 		

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.

Laboratory data including chain of custody

X Topographic/Aerial maps

Received by OCD: 6/12/2023 8:36:03 AM Form C-141 State of New Mexico
Page 4 Oil Conservation Division

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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. Title: Environmental Professional Dale Woodall Printed Name: Signature: Dale Woodall Date: 6/12/2023 email: dale.woodall@dvn.com Telephone: 575-748-1839 **OCD Only** Received by: Date: _____

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Incident ID	nAPP2309134922
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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.		
X A scaled site and sampling diagram as described in 19.15.29.	11 NMAC	
x 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)		
X Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)	
Description of remediation activities		
and regulations all operators are required to report and/or file certar may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and re human health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification to the Operator of Name: Dale Woodall	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in DCD when reclamation and re-vegetation are complete. Title: Environmental Professional	
Signature: Dals Woodall	Date:6/12/2023	
email:dale.woodall@dvn.com	Telephone: 575-748-1839	
OCD Only		
		
Received by:	Date:	
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.	
Closure Approved by:	Date:	
Printed Name:	Title:	



Appendix D

Photographic Documentation



SITE PHOTOGRAPHS DEVON ENERGY COBBER 21 33 FEDERAL COM #003H

Site Assessment



P

Excavation





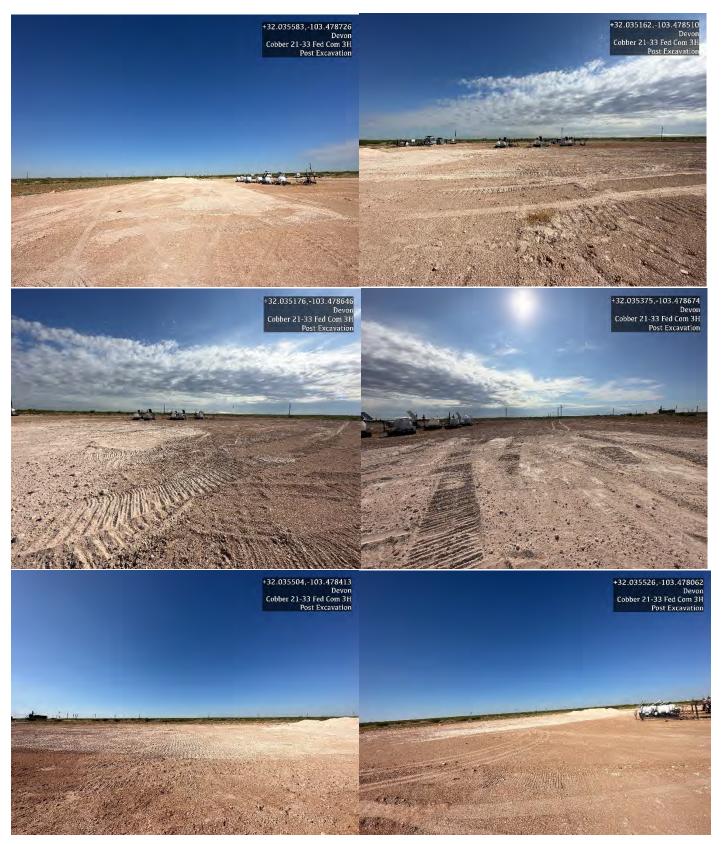






P

Post Excavation

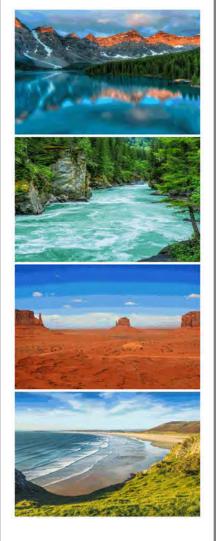




Appendix E

Laboratory Reports

Report to: Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cobber 21-33 3H

Work Order: E304037

Job Number: 01058-0007

Received: 4/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/17/23

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: 4/17/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Cobber 21-33 3H

Workorder: E304037

Date Received: 4/11/2023 7:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/11/2023 7:15:00AM, under the Project Name: Cobber 21-33 3H.

The analytical test results summarized in this report with the Project Name: Cobber 21-33 3H 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 reguarding 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

ljarboe@envirotech-inc.com

Technical Representative

Rayny Hagan

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	Donoutod
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/17/23 09:10

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E304037-01A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S1 - 2'	E304037-02A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S1 - 3'	E304037-03A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S1 - 4'	E304037-04A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S2 - 1'	E304037-05A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S2 - 2'	E304037-06A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S2 - 3'	E304037-07A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S2 - 4'	E304037-08A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S3 - 1'	E304037-09A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S3 - 2'	E304037-10A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S3 - 3'	E304037-11A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S3 - 4'	E304037-12A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S4 - 1'	E304037-13A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S4 - 2'	E304037-14A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S4 - 3'	E304037-15A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S4 - 4'	E304037-16A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S5 - 1'	E304037-17A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S5 - 2'	E304037-18A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S5 - 3'	E304037-19A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S5 - 4'	E304037-20A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S1 - 1' E304037-01

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250	į	1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	į	1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		94.0 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		94.0 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2315045
Diesel Range Organics (C10-C28)	81.3	25.0		1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	74.8	50.0	į	1	04/11/23	04/11/23	
Surrogate: n-Nonane		103 %	50-200		04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315032
Chloride	793	20.0		1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S1 - 2' E304037-02

		7					
		Reporting					
Analyte	Result	Limit	Dilu	ition P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2315017
Benzene	ND	0.0250	1	0	4/11/23	04/12/23	
Ethylbenzene	ND	0.0250	1	0	4/11/23	04/12/23	
Toluene	ND	0.0250	1	0	4/11/23	04/12/23	
o-Xylene	ND	0.0250	1	0	4/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1	0	4/11/23	04/12/23	
Total Xylenes	ND	0.0250	1	0	4/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.9 %	70-130	0	4/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	0	4/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130	0	4/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	4/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.9 %	70-130	0	4/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.7 %	70-130	0	4/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130	0	4/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2315045
Diesel Range Organics (C10-C28)	37.3	25.0	1	0	4/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	0	4/11/23	04/11/23	
Surrogate: n-Nonane		101 %	50-200	0	14/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	_	Analyst: BA			Batch: 2315032
Chloride	135	20.0	1	0	4/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S1 - 3' E304037-03

D 1:						N.
Result	Limit	Dılu	tion	Prepared	Analyzed	Notes
mg/kg	mg/kg	I	Analyst: Γ	Y		Batch: 2315017
ND	0.0250	1		04/11/23	04/12/23	
ND	0.0250	1		04/11/23	04/12/23	
ND	0.0250	1		04/11/23	04/12/23	
ND	0.0250	1		04/11/23	04/12/23	
ND	0.0500	1		04/11/23	04/12/23	
ND	0.0250	1	l	04/11/23	04/12/23	
	94.4 %	70-130		04/11/23	04/12/23	
	98.8 %	70-130		04/11/23	04/12/23	
	103 %	70-130		04/11/23	04/12/23	
mg/kg	mg/kg	1	Analyst: I	Y		Batch: 2315017
ND	20.0	1		04/11/23	04/12/23	
	94.4 %	70-130		04/11/23	04/12/23	
	98.8 %	70-130		04/11/23	04/12/23	
	103 %	70-130		04/11/23	04/12/23	
mg/kg	mg/kg	1	Analyst: JI	L		Batch: 2315045
ND	25.0	1		04/11/23	04/11/23	
ND	50.0	1	<u> </u>	04/11/23	04/11/23	
	96.5 %	50-200		04/11/23	04/11/23	
mg/kg	mg/kg	1	Analyst: B	A		Batch: 2315032
ND	20.0	1		04/11/23	04/11/23	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 94.4 % 98.8 % 103 % mg/kg ND 20.0 94.4 % 98.8 % 103 % mg/kg Mg/kg mg/kg ND 25.0 ND 50.0 96.5 % mg/kg mg/kg mg/kg	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 94.4 % 70-130 98.8 % 70-130 103 % 70-130 mg/kg mg/kg ND 20.0 94.4 % 70-130 98.8 % 70-130 103 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 96.5 % 50-200 mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Analyst: P ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 70-130 1 98.8 % 70-130 70-130 mg/kg mg/kg Analyst: P ND 20.0 1 94.4 % 70-130 70-130 103 % 70-130 70-130 mg/kg mg/kg Analyst: JI ND 25.0 1 ND 50.0 1 96.5 % 50-200 mg/kg Analyst: B	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 04/11/23 ND 0.0250 1 04/11/23 ND 0.0250 1 04/11/23 ND 0.0250 1 04/11/23 ND 0.0500 1 04/11/23 ND 0.0250 1 04/11/23 94.4 % 70-130 04/11/23 98.8 % 70-130 04/11/23 103 % 70-130 04/11/23 98.8 % 70-130 04/11/23 98.8 % 70-130 04/11/23 103 % 70-130 04/11/23 98.8 % 70-130 04/11/23 103 % 70-130 04/11/23 mg/kg mg/kg Analyst: JL ND 25.0 1 04/11/23 ND 50.0 1 04/11/23 ND 50.0 1 04/11/23 mg/kg	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 04/11/23 04/12/23 ND 0.0500 1 04/11/23 04/12/23 ND 0.0250 1 04/11/23 04/12/23 ND 0.0250 1 04/11/23 04/12/23 98.8 % 70-130 04/11/23 04/12/23 98.8 % 70-130 04/11/23 04/12/23 mg/kg mg/kg Analyst: IY ND 20.0 1 04/11/23 04/12/23 98.8 % 70-130 04/11/23 04/12/23 98.8 % 70-130 04/11/23 04/12/23 mg/kg mg/kg Analyst: JL ND 25.0 1



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S1 - 4'

E3		

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2315017
Benzene	ND	0.0250	1		04/11/23	04/12/23	
Ethylbenzene	ND	0.0250	1		04/11/23	04/12/23	
Toluene	ND	0.0250	1		04/11/23	04/12/23	
o-Xylene	ND	0.0250	1		04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1		04/11/23	04/12/23	
Total Xylenes	ND	0.0250	1		04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		95.7 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		95.7 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: J	L		Batch: 2315045
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1		04/11/23	04/11/23	
Surrogate: n-Nonane		102 %	50-200		04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: E	BA		Batch: 2315032
11110113 by E11100010/200011							



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S2 - 1'

E3	\mathbf{n}_{A}	N2	7	ΛZ
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		Reporting					
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.1 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.1 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315045
Diesel Range Organics (C10-C28)	57.9	25.0		1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/11/23	
Surrogate: n-Nonane		97.4 %	50-200		04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315032
· · · · · · · · · · · · · · · · · · ·	924	20.0		1	04/11/23	04/11/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S2 - 2'

		E304037-06					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		94.0 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		94.0 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.8 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315045
Diesel Range Organics (C10-C28)	34.0	25.0		1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/11/23	
Surrogate: n-Nonane		99.7 %	50-200		04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315032
Chloride	130	20.0		1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S2 - 3' E304037-07

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Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2315017
Renzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		94.0 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		94.0 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2315045
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/11/23	
Surrogate: n-Nonane		102 %	50-200		04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: BA		Batch: 2315032
Chloride	33.0	20.0		1	04/11/23	04/11/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S2 - 4'

E304037-08

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Benzene	ND	0.0250	1	1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250	1	1	04/11/23	04/12/23	
Toluene	ND	0.0250	1	1	04/11/23	04/12/23	
o-Xylene	ND	0.0250	1	1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1	1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	1	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.5 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.5 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2315045
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/11/23	04/11/23	
Surrogate: n-Nonane		100 %	50-200		04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315032
					04/11/23	04/11/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S3 - 1'

		E304037-09					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2315017
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.9 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: Γ	Y		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.9 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		Batch: 2315045
Diesel Range Organics (C10-C28)	32.1	25.0		1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/11/23	
Surrogate: n-Nonane		98.3 %	50-200		04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: B	SA		Batch: 2315032
		-					

20.0

04/11/23

04/11/23

132



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S3 - 2' E304037-10

		7				
		Reporting				
Analyte	Result	Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2315017
Benzene	ND	0.0250	1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/11/23	04/12/23	
Toluene	ND	0.0250	1	04/11/23	04/12/23	
o-Xylene	ND	0.0250	1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.6 %	70-130	04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130	04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.6 %	70-130	04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130	04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	А	analyst: JL		Batch: 2315045
Diesel Range Organics (C10-C28)	29.5	25.0	1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/11/23	
Surrogate: n-Nonane		93.7 %	50-200	04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: BA		Batch: 2315032
Chloride	137	20.0	1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S3 - 3' E304037-11

Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: IY		Batch: 2315017
Renzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.4 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.4 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Љ		Batch: 2315045
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		96.3 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: BA		Batch: 2315032
Chloride	31.0	20.0		1	04/11/23	04/11/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S3 - 4'

E304037-12							
Reporting							
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.0 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.0 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2315045
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		99.8 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315032

20.0

1

04/11/23

04/11/23

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S4 - 1'

Reporting Limit Dilution Prepared Analyzed Notes mg/kg Analyst: IY Batch: 2315017 0.0250 1 04/11/23 04/12/23 0.0250 1 04/11/23 04/12/23 0.0250 1 04/11/23 04/12/23 0.0250 1 04/11/23 04/12/23
mg/kg Analyst: IY Batch: 2315017 0.0250 1 04/11/23 04/12/23 0.0250 1 04/11/23 04/12/23 0.0250 1 04/11/23 04/12/23
0.0250 1 04/11/23 04/12/23 0.0250 1 04/11/23 04/12/23 0.0250 1 04/11/23 04/12/23
0.0250 1 04/11/23 04/12/23 0.0250 1 04/11/23 04/12/23
0.0250 1 04/11/23 04/12/23
0.0230
0.0250 1 04/11/23 04/12/23
0.0500 1 04/11/23 04/12/23
0.0250 1 04/11/23 04/12/23
70-130 04/11/23 04/12/23
70-130 04/11/23 04/12/23
70-130 04/11/23 04/12/23
mg/kg Analyst: IY Batch: 2315017
20.0 1 04/11/23 04/12/23
70-130 04/11/23 04/12/23
70-130 04/11/23 04/12/23
70-130 04/11/23 04/12/23
mg/kg Analyst: JL Batch: 2315045
25.0 1 04/11/23 04/12/23
50.0 1 04/11/23 04/12/23
50-200 04/11/23 04/12/23
mg/kg Analyst: BA Batch: 2315032
20.0 1 04/11/23 04/11/23
0.00.00.00.00.00.00.00.00.00.00.00.00.0



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S4 - 2' E304037-14

		/				
		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2315017
Benzene	ND	0.0250	1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/11/23	04/12/23	
Toluene	ND	0.0250	1	04/11/23	04/12/23	
o-Xylene	ND	0.0250	1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.2 %	70-130	04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130	04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.2 %	70-130	04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130	04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2315045
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/12/23	
Surrogate: n-Nonane		100 %	50-200	04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA		Batch: 2315032
Chloride	24.3	20.0	1	04/11/23	04/11/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S4 - 3' E304037-15

		200.307 10				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
	mg/kg	mg/kg		nalyst: IY	1 111111) 2.00	Batch: 2315017
Volatile Organic Compounds by EPA 8260B				04/11/23	04/12/23	Batch: 2313017
Benzene	ND	0.0250	1			
Ethylbenzene	ND	0.0250	1	04/11/23	04/12/23	
Toluene	ND	0.0250	1	04/11/23	04/12/23	
o-Xylene	ND	0.0250	1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.5 %	70-130	04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130	04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.5 %	70-130	04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130	04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2315045
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/12/23	_
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/12/23	
Surrogate: n-Nonane		100 %	50-200	04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: BA		Batch: 2315032
Chloride	31.6	20.0	1	04/11/23	04/11/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S4 - 4'

		E304037-16					
		Reporting					
Analyte	Result	Limit	Dilu	ition	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2315017
Benzene	ND	0.0250	1	l	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250	1	l	04/11/23	04/12/23	
Toluene	ND	0.0250	1	[04/11/23	04/12/23	
o-Xylene	ND	0.0250	1	l	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1	l	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	1	l	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.9 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY	-		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0	1	I	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.9 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL	,		Batch: 2315045
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/11/23	04/12/23	
Surrogate: n-Nonane		101 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: B	A		Batch: 2315032

20.0

1

04/11/23

04/11/23

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S5 - 1'

E304037-17

	_	Reporting	_				
Analyte	Result	Limit	Dilu	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.4 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.4 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2315045
Diesel Range Organics (C10-C28)	29.0	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		101 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315032
Chloride	623	20.0		1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S5 - 2'

E304037-18

		200.007.10					
Aughto	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte	Result	Limit	Dil	ution	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.3 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.3 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.7 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315045
Diesel Range Organics (C10-C28)	31.0	25.0	•	1	04/11/23	04/12/23	_
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		99.6 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315032
Chloride	127	20.0		1	04/11/23	04/11/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S5 - 3' E304037-19

		E504057-17				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte	Kesuit	Limit	Dilut	non Frepared	Anaryzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2315017
Benzene	ND	0.0250	1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250	1	04/11/23	04/12/23	
Toluene	ND	0.0250	1	04/11/23	04/12/23	
o-Xylene	ND	0.0250	1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.2 %	70-130	04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130	04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.2 %	70-130	04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.5 %	70-130	04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130	04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2315045
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/12/23	
Surrogate: n-Nonane		99.5 %	50-200	04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	Analyst: BA		Batch: 2315032
Chloride	27.5	20.0	1	04/11/23	04/11/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

S5 - 4'

E304037-20

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	·	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.4 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315017
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.4 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2315045
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		96.3 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315032
Chloride	ND	20.0		1	04/11/23	04/11/23	



QC Summary Data

Cobber 21-33 3H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 4/17/2023 9:10:30AM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2315017-BLK1) Prepared: 04/11/23 Analyzed: 04/12/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.467 0.500 93.4 70-130 Surrogate: 1,2-Dichloroethane-d4 0.482 0.500 96.3 70-130 0.500 102 70-130 Surrogate: Toluene-d8 0.511 LCS (2315017-BS1) Prepared: 04/11/23 Analyzed: 04/12/23 2.25 0.0250 2.50 90.0 70-130 Benzene 2.24 2.50 89.8 70-130 Ethylbenzene 0.0250 2.21 0.0250 2.50 88.5 70-130 90.3 70-130 2.26 0.0250 2.50 o-Xylene 4.46 5.00 89.2 70-130 p,m-Xylene 0.0500 6.72 0.0250 7.50 89.6 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.510 0.500 102 70-130 0.500 97.5 70-130 Surrogate: 1,2-Dichloroethane-d4 0.488 70-130 Surrogate: Toluene-d8 0.509 0.500 Matrix Spike (2315017-MS1) Source: E304037-02 Prepared: 04/11/23 Analyzed: 04/12/23 2.19 0.0250 2.50 ND 87.7 48-131 45-135 Ethylbenzene 2.19 0.0250 2.50 ND 87.7 48-130 Toluene 2.17 0.0250 2.50 ND 86.8 2.19 0.0250 2.50 ND 87.6 43-135 o-Xylene 4.34 ND 86.8 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 6.53 0.0250 7.50 ND 87.1 43-135 0.506 0.500 101 70-130 Surrogate: Bromofluorobenzene 0.500 94.5 70-130 Surrogate: 1,2-Dichloroethane-d4 0.473 0.500 70-130 0.507 Surrogate: Toluene-d8 Matrix Spike Dup (2315017-MSD1) Source: E304037-02 Prepared: 04/11/23 Analyzed: 04/12/23 2.23 0.0250 2.50 ND 89.3 48-131 1.76 23 2.21 0.0250 2.50 ND 88.5 45-135 0.931 27 Ethylbenzene ND 87.5 48-130 0.757 24 2.19 2.50 Toluene 0.0250 o-Xylene 2.22 0.0250 2.50 ND 88.7 43-135 1.22 27 4.39 5.00 ND 43-135 27 87.7 1.11 p,m-Xylene 0.0500 27 6.61 0.0250 7.50 ND 88.1 43-135 1.15 Total Xylenes Surrogate: Bromofluorobenzene 0.490 0.500 98.0 70-130



0.500

0.500

0.476

0.503

95.1

101

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

QC Summary Data

Cobber 21-33 3H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 4/17/2023 9:10:30AM Plains TX, 79355-0247 Project Manager: Tom Bynum

Nonhalogenated	Organics l	by EPA	8015D -	GRO

Analyst: IY

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

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2315017-BLK1)							Prepared: 04	1/11/23 Anal	yzed: 04/12/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.467		0.500		93.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
LCS (2315017-BS2)							Prepared: 04	1/11/23 Anal	yzed: 04/12/23
Gasoline Range Organics (C6-C10)	40.6	20.0	50.0		81.2	70-130			
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike (2315017-MS2)				Source:	E304037-	02	Prepared: 04	1/11/23 Anal	yzed: 04/12/23
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	ND	89.3	70-130			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.4	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			
Matrix Spike Dup (2315017-MSD2)				Source:	E304037-	02	Prepared: 04	1/11/23 Anal	yzed: 04/12/23
Gasoline Range Organics (C6-C10)	42.4	20.0	50.0	ND	84.8	70-130	5.18	20	
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:10:30AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				4	/17/2023 9:10:30A
	Nonha	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2315045-BLK1)							Prepared: 0	4/11/23 Ana	alyzed: 04/11/23
riesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	48.1		50.0		96.2	50-200			
CS (2315045-BS1)							Prepared: 0	4/11/23 Ana	alyzed: 04/11/23
riesel Range Organics (C10-C28)	258	25.0	250		103	38-132			
urrogate: n-Nonane	48.9		50.0		97.7	50-200			
Matrix Spike (2315045-MS1)				Source:	E304037-0	01	Prepared: 0	4/11/23 Ana	alyzed: 04/11/23
riesel Range Organics (C10-C28)	313	25.0	250	81.3	92.5	38-132			
urrogate: n-Nonane	48.9		50.0		97.7	50-200			
Matrix Spike Dup (2315045-MSD1)				Source:	E304037-0	01	Prepared: 0	4/11/23 Ana	alyzed: 04/11/23
tiesel Range Organics (C10-C28)	306	25.0	250	81.3	89.8	38-132	2.20	20	
urrogate: n-Nonane	49.3		50.0		98.6	50-200			



QC Summary Data

Pima Environmental Services-Carlsbac	l	Project Name:	C	obber 21-33 3I	I				Reported:
PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager		1058-0007 om Bynum					4/17/2023 9:10:30AM
,		<u> </u>		300.0/9056A					Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2315032-BLK1)							Prepared: 0	4/11/23 A	nalyzed: 04/11/23
Chloride	ND	20.0							
LCS (2315032-BS1)							Prepared: 0	4/11/23 A	nalyzed: 04/11/23
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2315032-MS1)				Source:	E304037-	01	Prepared: 0	4/11/23 A	nalyzed: 04/11/23
Chloride	1040	20.0	250	793	99.5	80-120			
Matrix Spike Dup (2315032-MSD1)				Source: 1	E304037-	01	Prepared: 0	4/11/23 A	nalyzed: 04/11/23
Chloride	1030	20.0	250	793	93.2	80-120	1.51	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:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/17/23 09:10

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

	,	100
Page	of	red

Client: Pima Environmental Services Project: Cobber 21-33 3H	Attention: Devon				ib Us	se On					TAT		EPA P	rogram
Project Manager: Tom Bynum	Address:	Lab	WO#	ŧ		Job I	Number	10	D 2	2D 3	3D	Standard	CWA	SDWA
Address: 56 14 N. Lovington Hwy.		- E:	300	10	18	OV	28.00	57				×		
City, State, Zip Hobbs, NM, 88240	City, State, Zip	E	304	03	7	Analy	sis and Met	hod						RCRA
Phone: 580-748-1613	Phone:	_											1115	
Email: ton@pimaoil.com	Email:		015						Ш				State	
Report due by:	Pima Project # 286	98 %	14 80	27	0		300.0		5			NM CO	UT AZ	TX
Time Date No. of O		8	ROE	, 8021	826	601(930		NIN	7		X		
Sampled Sampled Matrix Containers Sample ID	Lab Numb	DRO/ORO by 8015	GRO/DRO by 8015	втех by	VOC by 8260	Metals 6010	Chloride	0	Sepor	верос			Remarks	
2:00 9/7/23 5 1 51-	1)	(1			
2:05	2'							1			+			
2:10 5/- 3	100 to 10							- 14	H			1		
2:15	3								H		-	-		
2:20 57-4	(4)													
	5								II					
2:25 52-2	10								T					
2:30	1 3						7	+	#	1	+			
2:35 57-41	8				-			+	\parallel		+	+		
2:40 53-1	a				-		+		H	-	-	-	-1	
2:45 1 1 53-7	1				-						-			
dditional Instructions:								1	1					
	Billing#: 2	140	97	7.	2					e				
ield sampler), attest to the validity and authenticity of this sample. e or time of collection is considered fraud and may be grounds for le	am awars that tamparing with as intentionally at the	le locatio	n		S							ed on ice the day t on subsequent day		ed or receive
inquished by: (Signeture) Date Time	Received by: (Signature) Au all Laycle 4-10		Time	40		15			Lab	Use	Only	47.6	True, a	77
inquished by: (Signature) Date Time 17/023 17	Received by: (Signature) Date 4-(0)		Time (83			8	ved on ice	. (Y	(N	E). V	
inquished by: (Signature) Date Time	Received by: (Stanature) Date		Time			Γ1		112	5 7	11.		13.		
pple Matrix S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, Q - Other	The Mary III	23	_	:15	-		emp °C	4	i ,		i et	till and the second		A Second
e: Samples are discarded 30 days after results are reported a							stic, ag - am	ber gla	ass,	v - VC	DA			
ples is applicable only to those samples received by the laboration	raton with this COC. The line is a first of t	i de retu	urned t	o clien	tord	ispose	ed of at the c	lient ex	cpen	se. Th	ne repo	ort for the anal	ysis of the	above



	Bill To			Lah	Use	Only	T		TA	T	EPA Pr	ogram
Client: Pima Environmental Services Project: Cobber 21:33 3H	Attention: Devor	Lab W	/O#	Lub		b Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum	Address:			48		1028-000	7			X		
Address: 56 14 N. Lovington Hwy.	City, State, Zip	E3	40	037	Ar	alysis and Meth	od					RCRA
City, State, Zīp Hobbs, NM, 88240	Phone:										Ct. t.	
Phone: 580-748-1613	Email:	8015	8015		- 1				1 1	THE RESERVE	State	TVI
Email: tom@pimaoil.com				21	0	0.0	S			The Part of the Pa	UT AZ	1A
Report due by:	Pima Project # 286	RO b	ORO b	y 8021	y 826	de 30	100		1 1	X		
Time Date Matrix No. of Containers Sample ID	Lab Numbe	DRO/ORO by	GRO/DRO by	втех by	VOC by 8260	Metals 6010 Chloride 300.0	BGDOC	BGDOC			Remarks	
12:50 47/23 5 1 53-3"	$\int \int_{\mathbb{R}^{n}} \int$						X				- 10	
12:55 1 1 1 53-4	1Z					x	1					
1:00 54-1	13											
1:00	iŭ				1							
1:05 54-2'	ALAN.	-			\dashv		\neg	-				
1:05 54-2' 1:10 54-3'	115							1				
1:15 54-4"	10						40					
1:20 55-1'	(C)											
					+							
1:25 55-2'	18				4		-	\vdash				
1:30 55-3'	19			-	_			1				
1:35 V V V 55-41	20):					1	9				
Additional Imstructions: I, (field sampler), attest to the validity and authenticity of this sample. I a	Cillinat: 2	1140	10%	772)							
I. (field sampler), attest to the validity and authenticity of this sample. 1a	n aware that tampering with or intentionally minebelling the same	ole location	n,		S	amples requiring therr acked in ice at an avg t	nal prese	ervation	must be r	received on ice the da	y they are sam	pled or received
date or time of collection is considered fraud and may be grounds for lega	laction. Sampled by: Andrew	TON	0	1	p	acked in ice at an avg t	emp abo					
Relinquished by: (Signature) Date 4-10-23 2:	Received by: (Signature) Auchille Curk 4-10	23		,40		Received on ice	e: (Tab	Use O N	nly		
Relinquished by: (Signature) Date 4-0-23 18	Received by: (Signature) Date	.23	18	32	-	1	<u> </u>	2	19 12:11:11	<u> </u>		
Relinquished by: (Signature) Date Time	Received by: (Signature) Date	.73	Time	7:K	-	AVG Temp°C_	4					114
Tachy fem	Contain	er Type	0-0	plase r	- po	v/plastic, ag - ar	mber :	glass,	v - VO	A		
Sample Matrix: 6 - Soir, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	aless other arrangements are made. Hazardous samples w	ill be retu	umed	to clie	nt or o	lisposed of at the	client	expen	se. The	e report for the a	nalysis of th	ie above
samples is applicable only to those samples received by the labor	atory with this COC. The liability of the laboratory is limited	to the ar	moun	t paid t	or on	the report.						<u>.</u>

Printed: 4/11/2023 11:36:23AM

Envirotech Analytical Laboratory

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.

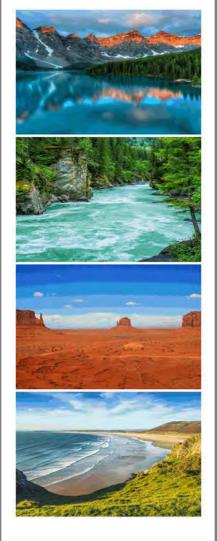
	D' D' 11g ' C 11 1			•		
Client:	Pima Environmental Services-Carlsbad	Date Received:	04/11/23 07	7:15	Work Order ID:	E304037
Phone:	(575) 631-6977	Date Logged In:	04/11/23 08		Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	04/17/23 17	7:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	e sample ID match the COC?		Yes			
	e number of samples per sampling site location man	tch the COC	Yes			
	mples dropped off by client or carrier?		Yes	Carrier: C	Courier	
4. Was the	COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes		- Company	
	I samples received within holding time?	•	Yes			
	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.				Comment	s/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Cobber 21-33 3	H has been
Sample C	<u>ooler</u>				separated into 2 reports	due to sample
7. Was a s	ample cooler received?		Yes		volume. Workorders are	e as follows:
8. If yes, v	vas cooler received in good condition?		Yes		E304037 & E304038.	
9. Was the	sample(s) received intact, i.e., not broken?		Yes		L304037 & L304030.	
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, Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes			
13. If no v	isible ice, record the temperature. Actual sample	temperature: 4°C	<u> </u>			
Sample C	ontainer	•	_			
	ueous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers'	?	Yes			
	ppropriate volume/weight or number of sample contain		Yes			
Field Lab	el					
20. Were f	— ield sample labels filled out with the minimum info	ormation:				
Sa	mple ID?		Yes			
	ate/Time Collected?		Yes	'		
	ollectors name?		No			
	reservation	10	N			
	he COC or field labels indicate the samples were pr	reservea?	No			
	mple(s) correctly preserved? filteration required and/or requested for dissolved n	notala?	NA Na			
		iciais:	No			
	se Sample Matrix					
	he sample have more than one phase, i.e., multipha		No			
27. If yes,	does the COC specify which phase(s) is to be analy	yzed'?	NA			
Subcontra	act Laboratory					
28. Are sa	mples required to get sent to a subcontract laborato	ry?	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA S	Subcontract Lab	: NA	
Client In	<u>struction</u>					
						1

Date

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

envirotech Inc.

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cobber 21-33 3H

Work Order: E304038

Job Number: 01058-0007

Received: 4/11/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/17/23

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: 4/17/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Cobber 21-33 3H

Workorder: E304038

Date Received: 4/11/2023 7:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 4/11/2023 7:15:00AM, under the Project Name: Cobber 21-33 3H.

The analytical test results summarized in this report with the Project Name: Cobber 21-33 3H 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 reguarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/17/23 09:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6 - 1'	E304038-01A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S6 - 2'	E304038-02A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S6 - 3'	E304038-03A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S6 - 4'	E304038-04A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S7 - 1'	E304038-05A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S7 - 2'	E304038-06A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S7 - 3'	E304038-07A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S7 - 4'	E304038-08A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S8 - 1'	E304038-09A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S8 - 2'	E304038-10A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S8 - 3'	E304038-11A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S8 - 4'	E304038-12A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S9 - 1'	E304038-13A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S9 - 2'	E304038-14A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S9 - 3'	E304038-15A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
S9 - 4'	E304038-16A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SW1	E304038-17A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SW2	E304038-18A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SW3	E304038-19A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SW4	E304038-20A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SW5	E304038-21A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SW6	E304038-22A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SW7	E304038-23A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SW8	E304038-24A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
BG1	E304038-25A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S6 - 1' E304038-01

	Reporting				
Result	Limit	Dilutio	on Prepared	Analyzed	Notes
mg/kg	mg/kg	A	nalyst: IY		Batch: 2315021
ND	0.0250	1	04/11/23	04/11/23	
ND	0.0250	1	04/11/23	04/11/23	
ND	0.0250	1	04/11/23	04/11/23	
ND	0.0250	1	04/11/23	04/11/23	
ND	0.0500	1	04/11/23	04/11/23	
ND	0.0250	1	04/11/23	04/11/23	
	94.8 %	70-130	04/11/23	04/11/23	
	100 %	70-130	04/11/23	04/11/23	
	101 %	70-130	04/11/23	04/11/23	
mg/kg	mg/kg	A	nalyst: IY		Batch: 2315021
ND	20.0	1	04/11/23	04/11/23	
	94.8 %	70-130	04/11/23	04/11/23	
	100 %	70-130	04/11/23	04/11/23	
	101 %	70-130	04/11/23	04/11/23	
mg/kg	mg/kg	A	nalyst: JL		Batch: 2315046
54.7	25.0	1	04/11/23	04/11/23	
62.1	50.0	1	04/11/23	04/11/23	
	109 %	50-200	04/11/23	04/11/23	
mg/kg	mg/kg	A	nalyst: BA		Batch: 2315033
	ND ND ND ND ND ND ND ND ND Solve the state of the state o	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 94.8 % 100 % 101 % mg/kg ND 20.0 94.8 % 100 % 101 % 101 % mg/kg mg/kg 54.7 25.0 62.1 50.0	Result Limit Diluti mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 100% 70-130 101% 101% 70-130 101% Mg/kg mg/kg A 100% 70-130 101% 101% 70-130 101% mg/kg mg/kg A 54.7 25.0 1 62.1 50.0 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 04/11/23 ND 0.0250 1 04/11/23 ND 0.0250 1 04/11/23 ND 0.0500 1 04/11/23 ND 0.0250 1 04/11/23 ND 0.0250 1 04/11/23 100 % 70-130 04/11/23 100 % 70-130 04/11/23 mg/kg mg/kg Analyst: IY ND 20.0 1 04/11/23 100 % 70-130 04/11/23 100 % 70-130 04/11/23 101 % 70-130 04/11/23 101 % 70-130 04/11/23 101 % 70-130 04/11/23 mg/kg mg/kg Analyst: JL 54.7 25.0 1 04/11/23 62.1 50.0 1 04/11/23	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 04/11/23 04/11/23 ND 0.0250 1 04/11/23 04/11/23 ND 0.0250 1 04/11/23 04/11/23 ND 0.0500 1 04/11/23 04/11/23 ND 0.0500 1 04/11/23 04/11/23 ND 0.0250 1 04/11/23 04/11/23 ND 0.0250 1 04/11/23 04/11/23 100 % 70-130 04/11/23 04/11/23 100 % 70-130 04/11/23 04/11/23 100 % 70-130 04/11/23 04/11/23 100 % 70-130 04/11/23 04/11/23 100 % 70-130 04/11/23 04/11/23 101 % 70-130 04/11/23 04/11/23 100 % 70-130 04/11/23 04/11/23 100 % <t< td=""></t<>



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S6 - 2'

		E304038-02					
		Reporting					
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/11/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/11/23	
Toluene	ND	0.0250		1	04/11/23	04/11/23	
o-Xylene	ND	0.0250		1	04/11/23	04/11/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/11/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		94.8 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		94.8 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315046
Diesel Range Organics (C10-C28)	37.5	25.0		1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	57.9	50.0		1	04/11/23	04/11/23	
Surrogate: n-Nonane		108 %	50-200		04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033
Chloride	131	20.0		1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S6 - 3' E304038-03

		E504050-05				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2315021
Benzene	ND	0.0250	1	04/11/23	04/11/23	
Ethylbenzene	ND	0.0250	1	04/11/23	04/11/23	
Toluene	ND	0.0250	1	04/11/23	04/11/23	
o-Xylene	ND	0.0250	1	04/11/23	04/11/23	
p,m-Xylene	ND	0.0500	1	04/11/23	04/11/23	
Total Xylenes	ND	0.0250	1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		94.4 %	70-130	04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	04/11/23	04/11/23	
Surrogate: Toluene-d8		101 %	70-130	04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		94.4 %	70-130	04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	04/11/23	04/11/23	
Surrogate: Toluene-d8		101 %	70-130	04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: JL		Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/11/23	
Surrogate: n-Nonane		106 %	50-200	04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ai	nalyst: BA		Batch: 2315033
Chloride	31.5	20.0	1	04/11/23	04/11/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S6 - 4'

		E304038-04					
		Reporting					
Analyte	Result	Limit	Dilu	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2315021
Benzene	ND	0.0250	1	0	4/11/23	04/11/23	
Ethylbenzene	ND	0.0250	1	0	4/11/23	04/11/23	
Toluene	ND	0.0250	1	0	4/11/23	04/11/23	
o-Xylene	ND	0.0250	1	0	4/11/23	04/11/23	
p,m-Xylene	ND	0.0500	1	0	4/11/23	04/11/23	
Total Xylenes	ND	0.0250	1	0	4/11/23	04/11/23	
Surrogate: Bromofluorobenzene		93.2 %	70-130	0	4/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	0	4/11/23	04/11/23	
Surrogate: Toluene-d8		102 %	70-130	0	4/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	4/11/23	04/11/23	
Surrogate: Bromofluorobenzene		93.2 %	70-130	0	4/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	0	4/11/23	04/11/23	
Surrogate: Toluene-d8		102 %	70-130	0	4/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0	1	0	4/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	0	4/11/23	04/11/23	
Surrogate: n-Nonane		108 %	50-200	0	4/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA			Batch: 2315033

20.0

04/11/23

04/11/23

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S7 - 1'

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/11/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/11/23	
Toluene	ND	0.0250		1	04/11/23	04/11/23	
o-Xylene	ND	0.0250		1	04/11/23	04/11/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/11/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		93.0 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		93.0 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315046
Diesel Range Organics (C10-C28)	46.1	25.0		1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	51.0	50.0		1	04/11/23	04/11/23	
Surrogate: n-Nonane		108 %	50-200		04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033
Chloride	617	20.0		1	04/11/23	04/11/23	

Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S7 - 2'

E304038-06								
Reporting								
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021	
Benzene	ND	0.0250		1	04/11/23	04/11/23		
Ethylbenzene	ND	0.0250		1	04/11/23	04/11/23		
Toluene	ND	0.0250		1	04/11/23	04/11/23		
o-Xylene	ND	0.0250		1	04/11/23	04/11/23		
p,m-Xylene	ND	0.0500		1	04/11/23	04/11/23		
Total Xylenes	ND	0.0250		1	04/11/23	04/11/23		
Surrogate: Bromofluorobenzene		94.9 %	70-130		04/11/23	04/11/23		
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/11/23		
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/11/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021	
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/11/23		
Surrogate: Bromofluorobenzene		94.9 %	70-130		04/11/23	04/11/23		
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/11/23		
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/11/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315046	
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/11/23		

50.0

mg/kg

20.0

50-200

108 %

04/11/23

04/11/23

04/11/23

Analyst: BA

04/11/23

04/11/23

04/11/23

Batch: 2315033

ND

mg/kg

ND



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S7 - 3'

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	ΙΥ		Batch: 2315021
Benzene	ND	0.0250	1	l	04/11/23	04/11/23	
Ethylbenzene	ND	0.0250	1	l	04/11/23	04/11/23	
Toluene	ND	0.0250	1	l	04/11/23	04/11/23	
o-Xylene	ND	0.0250	1	1	04/11/23	04/11/23	
p,m-Xylene	ND	0.0500	1	1	04/11/23	04/11/23	
Total Xylenes	ND	0.0250	1	[04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		92.6 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	ΙΥ		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		92.6 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	ΠL		Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	[04/11/23	04/11/23	
Surrogate: n-Nonane		96.9 %	50-200		04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	ВА		Batch: 2315033

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S7 - 4'

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY		Batch: 2315021
Benzene	ND	0.0500	2	04/11/23	04/11/23	
Ethylbenzene	ND	0.0500	2	04/11/23	04/11/23	
Toluene	ND	0.0500	2	04/11/23	04/11/23	
o-Xylene	ND	0.0500	2	04/11/23	04/11/23	
p,m-Xylene	ND	0.100	2	04/11/23	04/11/23	
Total Xylenes	ND	0.0500	2	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		92.6 %	70-130	04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	04/11/23	04/11/23	
Surrogate: Toluene-d8		102 %	70-130	04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	40.0	2	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		92.6 %	70-130	04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130	04/11/23	04/11/23	
Surrogate: Toluene-d8		102 %	70-130	04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/11/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/11/23	
Surrogate: n-Nonane	·	108 %	50-200	04/11/23	04/11/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: BA		Batch: 2315033
Chloride	ND	20.0	1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S8 - 1'

		^-	^	^^
E3	04	U3	8-	09

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250	1	1	04/11/23	04/11/23	
Ethylbenzene	ND	0.0250	1	1	04/11/23	04/11/23	
Toluene	ND	0.0250	1	1	04/11/23	04/11/23	
o-Xylene	ND	0.0250	1	1	04/11/23	04/11/23	
p,m-Xylene	ND	0.0500	1	1	04/11/23	04/11/23	
Total Xylenes	ND	0.0250	1	1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		92.2 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		92.2 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		98.2 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2315046
Diesel Range Organics (C10-C28)	57.3	25.0	1	1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	70.4	50.0	1	1	04/11/23	04/12/23	
Surrogate: n-Nonane		109 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033
					04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S8 - 2'

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.5 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.5 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.3 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315046
Diesel Range Organics (C10-C28)	65.4	25.0	•	1	04/11/23	04/12/23	_
Oil Range Organics (C28-C36)	90.5	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		106 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033
11110110 0 9 121110 0 0 0 0 1 2							

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S8 - 3'

E304038-	1	1
EJUTUJU-	1	. 1

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: l	Y		Batch: 2315021
Benzene	ND	0.0250	1		04/11/23	04/12/23	
Ethylbenzene	ND	0.0250	1		04/11/23	04/12/23	
Toluene	ND	0.0250	1		04/11/23	04/12/23	
o-Xylene	ND	0.0250	1		04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1		04/11/23	04/12/23	
Total Xylenes	ND	0.0250	1		04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		94.3 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: l	Y		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		94.3 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: J	īL		Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1		04/11/23	04/12/23	
Surrogate: n-Nonane		109 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: l	ВА		Batch: 2315033
Chloride	29.4	20.0	1		04/11/23	04/11/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S8 - 4'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250]	1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500]	1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	Ī	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		94.4 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		94.4 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0	:	1	04/11/23	04/12/23	
Surrogate: n-Nonane		111 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S9 - 1'

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.8 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.8 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315046
Diesel Range Organics (C10-C28)	48.4	25.0	•	1	04/11/23	04/12/23	_
Oil Range Organics (C28-C36)	63.0	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		109 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033
11110115 0 3 22111 0 0 0 0 0 7 5 0 0 0 1 1							



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S9 - 2'

		Reporting					
Analyte	Result	Limit	Dilı	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene	·	92.6 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		103 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.6 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		103 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315046
Diesel Range Organics (C10-C28)	31.5	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		108 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033
	133	20.0		1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S9 - 3'

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		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250	1	1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250	1	1	04/11/23	04/12/23	
Toluene	ND	0.0250	1	1	04/11/23	04/12/23	
o-Xylene	ND	0.0250	1	1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1	1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	1	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.7 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.7 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/11/23	04/12/23	
Surrogate: n-Nonane		106 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	ВА		Batch: 2315033
Chloride	32.0	20.0	1	1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

S9 - 4'

		E304038-16					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		91.6 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		100 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: IY			Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		91.6 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		100 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		109 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA	1		Batch: 2315033

20.0

04/11/23

04/11/23

ND

Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

SW1

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250]	1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.7 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.7 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		109 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

SW2

		E304038-18					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.0 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.0 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		110 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033
Chloride	ND	20.0		1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

SW3

		E304038-19					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250		1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.3 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		103 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		93.3 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		103 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		109 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033
					•		

20.0

04/11/23

04/11/23

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

SW4

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Benzene	ND	0.0250		1	04/11/23	04/12/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/12/23	
Toluene	ND	0.0250		1	04/11/23	04/12/23	
o-Xylene	ND	0.0250]	1	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500]	1	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	į	1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.6 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315021
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		92.6 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315046
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		110 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315033



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

SW5

		E304038-21					
		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315030
Benzene	ND	0.0250		1	04/11/23	04/11/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/11/23	
Toluene	ND	0.0250		1	04/11/23	04/11/23	
o-Xylene	ND	0.0250		1	04/11/23	04/11/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/11/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315030
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		114 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		111 %	50-200	·	04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315034
		•					

20.0

04/11/23

04/11/23

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

SW6

E30	40	38	-22
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		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315030
Benzene	ND	0.0250		1	04/11/23	04/11/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/11/23	
Toluene	ND	0.0250		1	04/11/23	04/11/23	
o-Xylene	ND	0.0250		1	04/11/23	04/11/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/11/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		99.4 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		104 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315030
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		99.4 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		104 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		110 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315034
Chloride	ND	20.0		1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

SW7 E304038-23

Analyte	Result	Reporting Limit	Dil	ution	Prepared	Analyzed	Notes
				Analyst:	•	111111111111111111111111111111111111111	Batch: 2315030
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg					Batch: 2313030
Benzene	ND	0.0250		1	04/11/23	04/11/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/11/23	
Toluene	ND	0.0250		1	04/11/23	04/11/23	
o-Xylene	ND	0.0250		1	04/11/23	04/11/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/11/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		97.8 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315030
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		97.8 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		112 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2315047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		111 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315034

20.0

04/11/23

04/11/23

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

SW8

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315030
Benzene	ND	0.0250		1	04/11/23	04/11/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/11/23	
Toluene	ND	0.0250		1	04/11/23	04/11/23	
o-Xylene	ND	0.0250		1	04/11/23	04/11/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/11/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		98.8 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		104 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315030
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/11/23	
Surrogate: Bromofluorobenzene		98.8 %	70-130		04/11/23	04/11/23	
Surrogate: 1,2-Dichloroethane-d4		115 %	70-130		04/11/23	04/11/23	
Surrogate: Toluene-d8		104 %	70-130		04/11/23	04/11/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315047
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/12/23	
Surrogate: n-Nonane		113 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315034
Chloride	ND	20.0		1	04/11/23	04/11/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

BG1

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: 1	RKS		Batch: 2315030
Benzene	ND	0.0250	1		04/11/23	04/12/23	
Ethylbenzene	ND	0.0250	1		04/11/23	04/12/23	
Toluene	ND	0.0250	1	Į.	04/11/23	04/12/23	
o-Xylene	ND	0.0250	1	Į.	04/11/23	04/12/23	
p,m-Xylene	ND	0.0500	1	Į.	04/11/23	04/12/23	
Total Xylenes	ND	0.0250	1		04/11/23	04/12/23	
Surrogate: Bromofluorobenzene	·	99.5 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: 1	RKS		Batch: 2315030
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/11/23	04/12/23	
Surrogate: Bromofluorobenzene		99.5 %	70-130		04/11/23	04/12/23	
Surrogate: 1,2-Dichloroethane-d4		108 %	70-130		04/11/23	04/12/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/12/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2315047
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/23	04/12/23	
Oil Range Organics (C28-C36)	ND	50.0	1	Į.	04/11/23	04/12/23	
Surrogate: n-Nonane		111 %	50-200		04/11/23	04/12/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: 1	BA		Batch: 2315034
Allions by ETA 500:0/7030A							



Cobber 21-33 3H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 4/17/2023 9:27:58AM **Volatile Organic Compounds by EPA 8260B** Analyst: IY Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2315021-BLK1) Prepared: 04/11/23 Analyzed: 04/11/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.468 0.500 93.5 70-130 Surrogate: 1,2-Dichloroethane-d4 0.498 0.500 99.6 70-130 0.500 101 70-130 Surrogate: Toluene-d8 0.506 LCS (2315021-BS1) Prepared: 04/11/23 Analyzed: 04/11/23 2.21 0.0250 2.50 88.3 70-130 Benzene 2.22 2.50 88.9 70-130 Ethylbenzene 0.0250 2.19 0.0250 2.50 87.6 70-130 89.1 70-130 2.23 0.0250 2.50 o-Xylene 4.40 5.00 88.1 70-130 p,m-Xylene 0.0500 6.63 0.0250 7.50 88.4 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.507 0.500 101 70-130 0.500 98.0 70-130 Surrogate: 1,2-Dichloroethane-d4 0.490 70-130 Surrogate: Toluene-d8 0.507 0.500 Matrix Spike (2315021-MS1) Source: E304038-02 Prepared: 04/11/23 Analyzed: 04/11/23 2.31 0.0250 2.50 ND 92.2 48-131 45-135 Ethylbenzene 2.29 0.0250 2.50 ND 91.5 2.25 48-130 Toluene 0.0250 2.50 ND 89.9 2.30 0.0250 2.50 ND 92.0 43-135 o-Xylene 4.54 ND 90.7 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 6.84 0.0250 7.50 ND 91.2 43-135 0.499 0.500 99.8 70-130 Surrogate: Bromofluorobenzene 0.500 96.0 70-130 Surrogate: 1,2-Dichloroethane-d4 0.480 0.500 70-130 0.504 Surrogate: Toluene-d8

Source: E304038-02

91.6

91.6

89.9

91.7

90.7

91.1

102

96.0

48-131

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

0.653

0.109

0.0667

0.392

0.00

0.132

ND

ND

ND

ND

ND

ND



Prepared: 04/11/23 Analyzed: 04/11/23

23

27

24

27

27

27

Matrix Spike Dup (2315021-MSD1)

Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

2.29

2.29

2.25

2.29

4.54

6.83

0.508

0.480

0.502

0.0250

0.0250

0.0250

0.0250

0.0500

0.0250

2.50

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

Cobber 21-33 3H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 4/17/2023 9:27:58AM Volatile Organic Compounds by EPA 8260B Analyst: RKS Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2315030-BLK1) Prepared: 04/11/23 Analyzed: 04/11/23 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.491 0.500 98.2 70-130 Surrogate: 1,2-Dichloroethane-d4 0.556 0.500 111 70-130 0.517 0.500 103 70-130 Surrogate: Toluene-d8

LCS (2315030-BS1)						Prepared: 04/11/23 Analyzed: 04/11/23
LCS (2313030-B31)						Trepared: 04/11/23 Anaryzed: 04/11/23
Benzene	2.54	0.0250	2.50	102	70-130	
Ethylbenzene	2.52	0.0250	2.50	101	70-130	
Toluene	2.61	0.0250	2.50	104	70-130	
o-Xylene	2.54	0.0250	2.50	101	70-130	
p,m-Xylene	5.11	0.0500	5.00	102	70-130	
Total Xylenes	7.64	0.0250	7.50	102	70-130	
Surrogate: Bromofluorobenzene	0.535		0.500	107	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.564		0.500	113	70-130	
Surrogate: Toluene-d8	0.516		0.500	103	70-130	

Matrix Spike (2315030-MS1)				Source: E304038-24			Prepared: 04/11/23 Analyzed: 04/11/23
Benzene	2.66	0.0250	2.50	ND	106	48-131	
Ethylbenzene	2.70	0.0250	2.50	ND	108	45-135	
Toluene	2.76	0.0250	2.50	ND	110	48-130	
o-Xylene	2.73	0.0250	2.50	ND	109	43-135	
p,m-Xylene	5.48	0.0500	5.00	ND	110	43-135	
Total Xylenes	8.21	0.0250	7.50	ND	109	43-135	
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.551		0.500		110	70-130	
Surrogate: Toluene-d8	0.518		0.500		104	70-130	

Matrix Spike Dup (2315030-MSD1)			Source:	Source: E304038-24			Prepared: 04/11/23 Analyzed: 04/11/23		
Benzene	2.55	0.0250	2.50	ND	102	48-131	4.07	23	
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	5.77	27	
Toluene	2.60	0.0250	2.50	ND	104	48-130	5.67	24	
o-Xylene	2.57	0.0250	2.50	ND	103	43-135	6.06	27	
p,m-Xylene	5.14	0.0500	5.00	ND	103	43-135	6.37	27	
Total Xylenes	7.71	0.0250	7.50	ND	103	43-135	6.27	27	
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.567		0.500		113	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Cobber 21-33 3H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 4/17/2023 9:27:58AM

Nonhalogenated	Organics l	bv EPA	8015D - GRO
1 10111111105011111111	0.5	oj = ===	00102 0110

Analyst:	IY	

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

	Result	Limit	Level	Result	Rec	Limits	KPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2315021-BLK1)							Prepared: 04	1/11/23 Anal	yzed: 04/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.468		0.500		93.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			
LCS (2315021-BS2)							Prepared: 04	1/11/23 Anal	yzed: 04/11/23
Gasoline Range Organics (C6-C10)	44.8	20.0	50.0		89.5	70-130		·	
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			
Matrix Spike (2315021-MS2)				Source:	E304038-	02	Prepared: 04	1/11/23 Anal	yzed: 04/11/23
Gasoline Range Organics (C6-C10)	47.2	20.0	50.0	ND	94.3	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.493		0.500		98.6	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			
Matrix Spike Dup (2315021-MSD2)				Source:	E304038-	02	Prepared: 04	1/11/23 Anal	yzed: 04/11/23
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130	3.15	20	
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.494		0.500		98.8	70-130			
Surrogate: Toluene-d8	0.500		0.500		100	70-130			



Pima Environmental Services-CarlsbadProject Name:Cobber 21-33 3HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum4/17/20239:27:58AM

Nonhalogenated	Organics	by EPA	8015D -	GRO

Analyst: RKS

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

	resur				1100				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2315030-BLK1)							Prepared: 0-	4/11/23 Ana	lyzed: 04/11/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.491		0.500		98.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.556		0.500		111	70-130			
Surrogate: Toluene-d8	0.517		0.500		103	70-130			
LCS (2315030-BS2)							Prepared: 0	4/11/23 Ana	lyzed: 04/11/23
Gasoline Range Organics (C6-C10)	58.0	20.0	50.0		116	70-130			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.540		0.500		108	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			
Matrix Spike (2315030-MS2)				Source:	E304038-	24	Prepared: 0	4/11/23 Ana	lyzed: 04/11/23
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130			
Surrogate: Bromofluorobenzene	0.514		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.566		0.500		113	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			
Matrix Spike Dup (2315030-MSD2)	atrix Spike Dup (2315030-MSD2)			Source:	E304038-	24	Prepared: 04/11/23 Analyzed: 04/11/2		
Gasoline Range Organics (C6-C10)	57.4	20.0	50.0	ND	115	70-130	2.80	20	
Surrogate: Bromofluorobenzene	0.521		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.553		0.500		111	70-130			
Surrogate: Toluene-d8	0.525		0.500		105	70-130			



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				4,	/17/2023 9:27:58AM
	Nonhal	logenated Or	ganics by	EPA 80151	D - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2315046-BLK1)							Prepared: 0	4/11/23 Ana	alyzed: 04/11/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.4		50.0		109	50-200			
LCS (2315046-BS1)							Prepared: 0	4/11/23 Ana	alyzed: 04/11/23
Diesel Range Organics (C10-C28)	274	25.0	250		110	38-132			
Surrogate: n-Nonane	52.9		50.0		106	50-200			
Matrix Spike (2315046-MS1)				Source:	E304038-	02	Prepared: 0	4/11/23 Ana	alyzed: 04/11/23
Diesel Range Organics (C10-C28)	315	25.0	250	37.5	111	38-132			
Surrogate: n-Nonane	50.6		50.0		101	50-200			
Matrix Spike Dup (2315046-MSD1)				Source:	E304038-	02	Prepared: 0	4/11/23 Ana	alyzed: 04/12/23
Diesel Range Organics (C10-C28)	300	25.0	250	37.5	105	38-132	4.87	20	
Surrogate: n-Nonane	59.2		50.0		118	50-200			



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 3H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				4/	17/2023 9:27:58AN	
	Nonhalogenated Organics by EPA 8015D - DRO/ORO						Analyst: JL			
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2315047-BLK1)							Prepared: 04/11/23 Analyzed: 04/12/23			
Diesel Range Organics (C10-C28)	ND	25.0								
Oil Range Organics (C28-C36)	ND	50.0								
Surrogate: n-Nonane	55.3		50.0		111	50-200				
LCS (2315047-BS1)								Prepared: 04/11/23 Analyzed: 04/12/23		
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132				
Surrogate: n-Nonane	53.7		50.0		107	50-200				
Matrix Spike (2315047-MS1)				Source:	Source: E304038-21			Prepared: 04/11/23 Analyzed: 04/12/23		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132				
Surrogate: n-Nonane	54.2		50.0		108	50-200				
Matrix Spike Dup (2315047-MSD1)				Source:	Source: E304038-21			Prepared: 04/11/23 Analyzed: 04/12/23		
Diesel Range Organics (C10-C28)	277	25.0	250	ND	111	38-132	0.0359	20		
Surrogate: n-Nonane	53.8		50.0		108	50-200				



Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Cobber 21-33 3H 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 9:27:58AM

Plains 1X, /9355-024/		Project Manager	r: 10	om Bynum				4	/1//2023 9:27:38AN	1
		Anions	by EPA 3	00.0/9056	4				Analyst: BA	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes	
Blank (2315033-BLK1)							Prepared: 0	4/11/23 Ana	alyzed: 04/11/23	
Chloride	ND	20.0								
LCS (2315033-BS1)							Prepared: 0	4/11/23 An	alyzed: 04/11/23	
Chloride	267	20.0	250		107	90-110				
Matrix Spike (2315033-MS1)				Source:	E304038-	01	Prepared: 0	4/11/23 An	alyzed: 04/11/23	
Chloride	944	20.0	250	786	63.1	80-120			M2	
Matrix Spike Dup (2315033-MSD1)				Source:	E304038-	01	Prepared: 0	4/11/23 Ana	alyzed: 04/11/23	

250

20.0

1130

136

80-120

17.6

786



20

Chloride

QC Summary Data

Pima Environmental Services-Carlsba	d	Project Name:	C	Cobber 21-33 3	Н				Reported:
PO Box 247		Project Number	: 0	1058-0007					
Plains TX, 79355-0247		Project Manager	r: T	om Bynum					4/17/2023 9:27:58AM
		Anions	by EPA	300.0/9056 <i>E</i>	4				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2315034-BLK1)							Prepared: 0	4/11/23 A	nalyzed: 04/11/23
Chloride	ND	20.0							
LCS (2315034-BS1)							Prepared: 0	4/11/23 A	nalyzed: 04/11/23
Chloride	247	20.0	250		98.7	90-110			
Matrix Spike (2315034-MS1)				Source:	E304038-	21	Prepared: 0	4/11/23 A	nalyzed: 04/11/23
Chloride	252	20.0	250	ND	101	80-120			
Matrix Snike Dun (2315034-MSD1)				Source:	E304038-	21	Prepared: 0	4/11/23 A	nalyzed: 04/11/23

250

20.0

80-120

109

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:	Cobber 21-33 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/17/23 09:27

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.



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Client: Pi Project:	ma	Lave	onment	al Servic	es l	Attention: De			Lab V	WO#		-		Jumber	0.4	1D	2D	3D	Standard	CWA	SDWA
						Address:	9011		E 3	A CH	OHE		NA	81	5007	7			X		
Project N	lana	ger:	om By	num								3	Analy	is and i	Nethod		-				RCRA
Address:						City, State, Zip			=	207	50	7	Anary	313 6/16 /	T						
City, State	e, Zī	o Ho	bbs, NA	<u> 1. 88240</u>		Phone:														State	
Phone: 5	-088	748 - 1	613			Email:			8015	8015				_					NMI CO	O UT AZ	TX
Email: t	om (@pim	aoil.con	n		Pima Project	# 286		by 8	by 8	8021	09	0	300.0	1	NN	×		Y	1	
Report di	ue b	y:				. Pillia Project	# 200		DRO/ORO by	GRO/DRO by	ý 80	VOC by 8260	Metals 6010	Je 3	1 1		100				
Time	Di	ate		No. of	Sample ID			Lab	0/0	0/0	втех by	Cb	stals	Chloride	1 1	верос	верос			Remarks	
Sampled	Sarr	pled	Matrix	Containers	Sample ib			Number	DR	GR	87	8	ž	ਨ		8	B	-	_		
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7.9					5/2-111			Ц													
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2:00					57-1			5													
-					C7 0'			1								11					
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2:10		. 1			57-3'			7													
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2:15					51-4										-	+	+-				
2:20					58-1			9			-										
2000		,	1	11/				10								1	1				
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Addition	al Im	struci	tions:				Rillin	nt.	711	141	17	7	7								
							DIUI, 9				× / ,	1	Sampl	es requirin	thermal p	reserv	ation m	ust be re	ceived on ice the	day they are sam	pled or received
							vith or intentionally misla	ndrei	1	ion,	no		packe	in ice at a	n avg temp	above	0 but l	less than	6°C on subsequer	t days.	
					may be grounds for leg			/ Cut Cu	VI	777.00 0				12.7	1.10			Jse Or		7 - 7 " a "	
Relinquish	ed by	: (Signa	ture)	Q.	10-23 Time 2:	Received by:	lli Cuys	4-10	23	10	030	0	Rec	eived o	n ice:		Y) i	N.			
Relinquish	ed by	: (Signa		Dat	e Time	Received by:	(Signature)	Date 4-10.		Time	30		17.4		4	 TO		50 14	та'	1. 1	
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Relinquish			0//	Dat	The second secon	Received by:	(Signature)	4.11.	77		7:19	5	MAR	Temp	00	4		e 4	p 11		
			Ken			> () Le	XX	4.11	40				AVU	laction	a amb	er al-	ass v	- VOA	The Text of the State of the St	a transfer to come	
Sample Mat	rix: 6	Sou Sd	- Solid, Sg	- Sludge, A -	Aqueous, 0 - Other			Containe	er lyp	e:tg-	glass,	p-p	oly/p	idSLIC, a	t the cli	ent ev	mense	The	report for the	analysis of the	ne above
Note: Sam	ples =	are disc	arded 30 d	days after r	esults are reported u	nless other arrangemer	nts are made. Hazardou	us samples wil	n be re	cume	u to cli	ent o	n disp	report	L the the	III EX	the 130				
samples is	appla	cable o	nly to thos	se samples	received by the labo	ratory with this COC. Th	ne liability of the laborat	ory is limited t	to the	amou	iit palo	1010	און נוופ	report.				-		200	in

oject Information				Cl	nain of Custody	1										Page	of _
ient: Pima Enviroject: Cobbe oject Manager: ddress: 5614 N.	Tom By	num		Attention: Description Address: City, State, Zip		Lab V	wo#	04	9	Only lob N Manalys	umber SCCC is and Met	thod	D 21	TA 3D	Standard	EPA P CWA	rogran SDW RCR
ty, State, Zīp Honone: 580-748- mail: torn@pimeport due by:	bbs, NN 1613	1. 88240		Phone: Email: Pima Project # 286	Lab	DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021			Chloride 300.0			VI TORSE	NM CO	State UT AZ	
Sampled Sampled	Matrix S	Containers	Sample ID		Number	DRC	GRC	ВТЕ	NOC	Met	Gh	7	X	150			
2:40	-		59-1		12					-							
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2:55			59-3°	3000	15 10											<i>\$1</i>	
3:00 3:05			SWI SWZ		17								\parallel				
3:10			SW3		19												
3:15 V Additional Instruc	tions:	\(\psi \)	SWY	Billing	120	14	67	72	2				V				
(field sampler), attest to late or time of collection delinquished by: (Signa	is considere	d fraud and	may be grounds for leg	m aware that tampering with or intentionally of al action. <u>Sampled by:</u>	slabelling the sample	e locati	ion,			packed	în ice at an av	temp a	bove 0 b	ut less than	eceived on ice the da i 6 °C on subsequent nly	y they are san days.	pled or
relinquished by: (Signa Relinquished by: (Signa Relinquished by: (Signa	iture)	Date		Received by: (Signature) Received by: (Signature)	Date 1.11.	25	Time	30 30		<u>T1:</u>	ived on id	: 1	⑦ [2	N	<u>T3</u>		
Forenza Sample Matrix 5 - Soil St	arded 30 c	- Sludge, A - /	iqueous, 0 - Other	nless other arrangements are made. Hazaratory with this COC. The liability of the lab	Containe irdous samples wil	er Typi Il be re	e: 8-	glass,	p - po	oly/pla dispos	Temp °C astic, ag - a sed of at the	amber	glass	, v - VOA	A report for the a	nalysis of th	ne abc

or on the report.

Page 158

al Services 3.3 3H num on Hwy. 1. 88240	Attention: Devon Address: City, State, Zip Phone: Email: Pima Project # 286		E30	0#	•	Job N	lumber	1D	2D 3D	Standard	CWA	SDWA
n No. of Sample I	City, State, Zip Phone: Email:		E30	790		111/2	-X.11117			×		
n No. of Sample I	Phone: Email:		1	403	8	Analy:	sis and Method	d				RCRA
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	Fillia Project # 200		O by 8	0 by 8	3260	010	300.0	NR	¥	X		
Containers		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015 BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	верос	верос		Remarks	
1 SW	5	21						X				
1 500	0	22						1				
SW	7	23										
		24									- 10	
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and authenticity of this	mple. I am aware that tampering with or intentionally mis ds for legal action. Sampled by:	slabelling the sample	e location	3		Sample	es requiring thermal I in ice at an avg tem	p above	0 but less than 6	°C on subsequent of	days.	pied or recei
Dete	Received by: (Signature)	els 4.10.	23	16 4	10			(Lab Use On Y	l y		
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y	y and authenticity of this said fraud and may be groun Date 4-10-23 Date Date	y and authenticity of this sample. I am aware that tampering with or intentionally mised fraud and may be grounds for legal action. Date Time Received by: (Signature) Date Time Received by: (Signature) Date Time Received by: (Signature) Received by: (Signature)	SW8 23 SW8 24 V GGI 25 Sw8 21 Sw8 21 Siling#: 2114 y and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample of fraud and may be grounds for legal action. Date Time Received by: (Signature) Date H.O. Date Time Received by: (Signature) Date H.O. Date Time Received by: (Signature) Date H.O. Date Date	y and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location ed fraud and may be grounds for legal action. Date Time Received by: (Signature) Date Time Received by: (Signatur	SW8 V GGI Sw8 23 V GGI Silling#: 2140772 y and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, ed fraud and may be grounds for legal action. Sampled by: Andrew Transco Date H-O-23 7:00 Received by: (Signature) Date H-O-13 1830 Received by: (Signature) Date H-O-13 1830 Received by: (Signature) Date H-O-13 1830 Date Time Received by: (Signature) Date Time Received by: (Signature) Date Time Time Received by: (Signature) Date Time Time	SW8 V GGI Sw8 24 V GGI Silling#: 2146772 y and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, ed fraud and may be grounds for legal action. Sampled by: Andrew Franco Date 4-10-23 2:00 Received by: (Signature) Date 4-10-3 7:00 Received by: (Signature)	SW8 V GGI SW8 23 V GGI 25 V and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, sample afraud and may be grounds for legal action. Date V-10-23 Received by: (Signature) Date V-10-35 Received by: (Signature)	SW7 SW8 214 V GGI Samples requiring thermal packed in iceat an avg term of the sample location, sampled by Andrew Date Time Time Received by: (Signature) Date Time Time Time Received on ice: Time Time	SW8 24 V GGI Sw8 21 V GGI Silling H: 21146772 y and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, samples requiring thermal preserved fraud and may be grounds for legal action. Sampled by: Sample requiring thermal preserve by: Sampled by: Sampled by: Sample by: Sampled by: Sampled by: Sampled by: Sampled by: Sample by: Sampled by: Sampled by: Sampled by: Sampled by: Sample by: Sampled by: Sampled by: Sampled by: Sampled by: Sample by: Sampled by: Sampled by: Sampled by: Sampled by: Sample	SW7 SW8 24 V GG/ 25 Samples requiring thermal preservation must be read in ice at an avg temp above 0 but less than 5 bate 4-10-23 Time 4-10-23 Ti	SW8 V 3GI SW8 24 SW8 25 Samples requiring thermal preservation must be received on ice the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day packed in ice at an avg temp above 0 but less than 6°C on subsequent of the day avg temp above 0 but less than 6°C on subsequent of the day avg temp above 0 but less than 6°C on subsequent of the day avg temp above 0 but less than 6°C on subsequent of the day avg t	SW8 V 3GI Sw8 24 V 3GI Samples requiring thermal preservation must be received on ice the day they are sampled fraud and may be grounds for legal action. Sampled by: Samples requiring thermal preservation must be received on ice the day they are sampled in ice at an avg temp above 0 but less than 6°C on subsequent days. Date 4-0-23 700 Received by: (Signature) Date 1640 Received on ice: Time 1830 71 72 73

envirotech Inc.

Printed: 4/11/2023 12:15:26PM

Envirotech Analytical Laboratory

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:	04/11/23	07:15	Work Order ID:	E304038
Phone:	(575) 631-6977	Date Logged In:	04/11/23	08:29	Logged In By:	Caitlin Christian
					Logged in Dj.	Cum Cin Suu.
1. Does th 2. Does th 3. Were sa 4. Was the 5. Were al Sample T 6. Did the Sample C 7. Was a s	ample cooler received?	ted analyses?	Yes Yes Yes Yes Yes Yes	17:00 (4 day TAT) Carrier: <u>C</u>	Project Cobber 21-33 3 separated into 2 reports volume. Workorders ar	s due to sample
	was cooler received in good condition?		Yes	l	E304037 & E304038.	
	e sample(s) received intact, i.e., not broken?		Yes	l		
	custody/security seals present?		No			
12. Was the	were custody/security seals intact? e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	received w/i 15	NA Yes <u>C</u>			
Sample C	Container_					
	queous VOC samples present?		No			
15. Are V	OC 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 no	on-VOC samples collected in the correct containers?		Yes			
19. Is the a	appropriate volume/weight or number of sample contain	ers collected?	Yes			
Sa D	nel	rmation:	Yes Yes No			
Sample P	<u>reservation</u>					
	the COC or field labels indicate the samples were pr	eserved?	No			
	imple(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved m	etals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multiphas	e?	No			
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA			
28. Are sa	act Laboratory Imples required to get sent to a subcontract laborator subcontract laboratory specified by the client and if	-	No NA	Subcontract Lab	: NA	
Client In	struction					

Date

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

Report to:
Tom Bynum



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Cobber 21-33 Fed. Com 3H

Work Order: E306016

Job Number: 01058-0007

Received: 6/3/2023

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 6/5/23

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: 6/5/23

Tom Bynum PO Box 247 Plains, TX 79355-0247

Project Name: Cobber 21-33 Fed. Com 3H

Workorder: E306016

Date Received: 6/3/2023 12:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 6/3/2023 12:15:00AM, under the Project Name: Cobber 23-22 Fed. Com 3H.

The analytical test results summarized in this report with the Project Name: Cobber 23-22 Fed. Com 3H 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 reguarding 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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	Domonto do
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/05/23 11:52

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E306016-01A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
CS2	E306016-02A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
CS3	E306016-03A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
CS4	E306016-04A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
CS5	E306016-05A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
CS6	E306016-06A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
CS7	E306016-07A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
CS8	E306016-08A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
CSW1	E306016-09A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW2	E306016-10A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW3	E306016-11A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW4	E306016-12A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW5	E306016-13A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW6	E306016-14A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW7	E306016-15A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW8	E306016-16A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW9	E306016-17A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW10	E306016-18A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW11	E306016-19A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW12	E306016-20A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW13	E306016-21A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW14	E306016-22A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW15	E306016-23A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
CSW16	E306016-24A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CS1

		E300010-01					
Analyte	Result	Reporting Limit	Dilı	ution	Prepared	Analyzed	Notes
Timayee					•	rmaryzea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2322076
Benzene	ND	0.0250		1	06/03/23	06/03/23	
Ethylbenzene	ND	0.0250		1	06/03/23	06/03/23	
Toluene	ND	0.0250		1	06/03/23	06/03/23	
o-Xylene	ND	0.0250		1	06/03/23	06/03/23	
p,m-Xylene	ND	0.0500		1	06/03/23	06/03/23	
Total Xylenes	ND	0.0250		1	06/03/23	06/03/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130		06/03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/03/23	06/03/23	
Surrogate: Toluene-d8		93.3 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/03/23	06/03/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130		06/03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/03/23	06/03/23	
Surrogate: Toluene-d8		93.3 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/23	06/03/23	
Surrogate: n-Nonane		107 %	50-200		06/03/23	06/03/23	
		/1		Analyst:	DAC		Batch: 2322067
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Anaryst.	KAS		Batch: 2322007



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CS2

		Reporting					
Analyte	Result	Limit	Dilu	tion Pr	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: SL			Batch: 2322076
Benzene	ND	0.0250	1	06	5/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	. 06	5/03/23	06/04/23	
Toluene	ND	0.0250	1	. 06	5/03/23	06/04/23	
o-Xylene	ND	0.0250	1	. 06	5/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1	. 06	5/03/23	06/04/23	
Total Xylenes	ND	0.0250	1	06	5/03/23	06/04/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130	06	5/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06	5/03/23	06/04/23	
Surrogate: Toluene-d8		93.4 %	70-130	06	5/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: SL			Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06	5/03/23	06/04/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130	06	5/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06	5/03/23	06/04/23	
Surrogate: Toluene-d8		93.4 %	70-130	06	5/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1	06	5/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	. 06	5/03/23	06/03/23	
Surrogate: n-Nonane		101 %	50-200	06	5/03/23	06/03/23	
A L. EDA 200 0/0056 A	mg/kg	mg/kg	1	Analyst: RAS			Batch: 2322067
Anions by EPA 300.0/9056A		8 8					

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CS3

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: SL			Batch: 2322076
Benzene	ND	0.0250	1		06/03/23	06/03/23	
Ethylbenzene	ND	0.0250	1		06/03/23	06/03/23	
Toluene	ND	0.0250	1		06/03/23	06/03/23	
o-Xylene	ND	0.0250	1		06/03/23	06/03/23	
p,m-Xylene	ND	0.0500	1		06/03/23	06/03/23	
Total Xylenes	ND	0.0250	1		06/03/23	06/03/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130		06/03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		06/03/23	06/03/23	
Surrogate: Toluene-d8		92.6 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: SL			Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/03/23	06/03/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130		06/03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		06/03/23	06/03/23	
Surrogate: Toluene-d8		92.6 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/23	06/03/23	_
Oil Range Organics (C28-C36)	ND	50.0	1		06/03/23	06/03/23	
Surrogate: n-Nonane		102 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RA	ΔS		Batch: 2322067
Allons by EPA 500.0/9050A							



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CS4

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: SL			Batch: 2322076
Benzene	ND	0.0250	1		06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1		06/03/23	06/04/23	
Toluene	ND	0.0250	1		06/03/23	06/04/23	
o-Xylene	ND	0.0250	1		06/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1		06/03/23	06/04/23	
Total Xylenes	ND	0.0250	1		06/03/23	06/04/23	
Surrogate: Bromofluorobenzene	·	97.6 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		94.4 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: SL			Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		97.6 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		94.4 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1		06/03/23	06/03/23	
Surrogate: n-Nonane		104 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: RA	AS		Batch: 2322067
Allions by ETA 500:0/7030A							

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CS5

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	: SL		Batch: 2322076
Benzene	ND	0.0250		1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250		1	06/03/23	06/04/23	
Toluene	ND	0.0250		1	06/03/23	06/04/23	
o-Xylene	ND	0.0250		1	06/03/23	06/04/23	
p,m-Xylene	ND	0.0500		1	06/03/23	06/04/23	
Total Xylenes	ND	0.0250		1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.0 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.3 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.0 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.3 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: Л		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/23	06/03/23	
Surrogate: n-Nonane		100 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2322067
· · · · · · · · · · · · · · · · · · ·	ND	20.0		1	06/02/23	06/03/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CS6

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: SL			Batch: 2322076
Benzene	ND	0.0250	1		06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1		06/03/23	06/04/23	
Toluene	ND	0.0250	1		06/03/23	06/04/23	
o-Xylene	ND	0.0250	1		06/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1		06/03/23	06/04/23	
Total Xylenes	ND	0.0250	1	ı	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		97.3 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		94.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: SL			Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		97.3 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		94.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL			Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1		06/03/23	06/03/23	
Surrogate: n-Nonane		100 %	50-200		06/03/23	06/03/23	
A . 1 EDA 200 0/005CA	mg/kg	mg/kg	I	Analyst: RA	S		Batch: 2322067
Anions by EPA 300.0/9056A	8 8	8 8					



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CS7

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL		Batch: 2322076
Benzene	ND	0.0250	1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	06/03/23	06/04/23	
Toluene	ND	0.0250	1	06/03/23	06/04/23	
o-Xylene	ND	0.0250	1	06/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1	06/03/23	06/04/23	
Total Xylenes	ND	0.0250	1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130	06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/03/23	06/04/23	
Surrogate: Toluene-d8		93.2 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130	06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/03/23	06/04/23	
Surrogate: Toluene-d8		93.2 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/03/23	
Surrogate: n-Nonane		103 %	50-200	06/03/23	06/03/23	
1	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2322067
Anions by EPA 300.0/9056A		8 8				



Pima Environmental Services-Carlsbad	Project Name:	Cobber 23-22 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CS8

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: SL		Batch: 2322076
Benzene	ND	0.0250		1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250		1	06/03/23	06/04/23	
Toluene	ND	0.0250		1	06/03/23	06/04/23	
o-Xylene	ND	0.0250		1	06/03/23	06/04/23	
p,m-Xylene	ND	0.0500		1	06/03/23	06/04/23	
Total Xylenes	ND	0.0250		1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.8 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		94.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.8 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		94.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/23	06/03/23	
Surrogate: n-Nonane		101 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2322067
	ND	20.0		1	06/02/23	06/03/23	·

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW1

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: SL			Batch: 2322076
Benzene	ND	0.0250	1	0	6/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	0	6/03/23	06/04/23	
Toluene	ND	0.0250	1	0	6/03/23	06/04/23	
o-Xylene	ND	0.0250	1	0	6/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1	0	6/03/23	06/04/23	
Total Xylenes	ND	0.0250	1	0	6/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.1 %	70-130	0	06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	0	6/03/23	06/04/23	
Surrogate: Toluene-d8		93.5 %	70-130	0	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL			Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	6/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.1 %	70-130	0	06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	0	06/03/23	06/04/23	
Surrogate: Toluene-d8		93.5 %	70-130	0	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL			Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1	0	6/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	0	6/03/23	06/03/23	
Surrogate: n-Nonane		95.3 %	50-200	0	06/03/23	06/03/23	
A . 1 EDA 200 0/005//A	mg/kg	mg/kg	I	Analyst: RAS			Batch: 2322067
Anions by EPA 300.0/9056A	8 8	8 8					



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW2

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: SL		Batch: 2322076
Benzene	ND	0.0250	1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	06/03/23	06/04/23	
Toluene	ND	0.0250	1	06/03/23	06/04/23	
o-Xylene	ND	0.0250	1	06/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1	06/03/23	06/04/23	
Total Xylenes	ND	0.0250	1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.4 %	70-130	06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	06/03/23	06/04/23	
Surrogate: Toluene-d8		93.2 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.4 %	70-130	06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	06/03/23	06/04/23	
Surrogate: Toluene-d8		93.2 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/03/23	_
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/03/23	
Surrogate: n-Nonane		97.6 %	50-200	06/03/23	06/03/23	
	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2322067
Anions by EPA 300.0/9056A	mg ng	₆ ₆				



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW3

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2322076
Benzene	ND	0.0250	1	l	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	l	06/03/23	06/04/23	
Toluene	ND	0.0250	1	l	06/03/23	06/04/23	
o-Xylene	ND	0.0250	1	1	06/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1	1	06/03/23	06/04/23	
Total Xylenes	ND	0.0250	1	l	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.6 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.9 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: S	SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1	Į.	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.6 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.9 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	JL		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	[06/03/23	06/03/23	
Surrogate: n-Nonane		101 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2322067

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW4

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2322076
Benzene	ND	0.0250		1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250		1	06/03/23	06/04/23	
Toluene	ND	0.0250]	1	06/03/23	06/04/23	
o-Xylene	ND	0.0250		1	06/03/23	06/04/23	
p,m-Xylene	ND	0.0500]	1	06/03/23	06/04/23	
Total Xylenes	ND	0.0250	į	1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		99.1 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.7 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		99.1 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.7 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	Л		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/23	06/03/23	
Surrogate: n-Nonane		95.3 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2322067



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW5

		Reporting					
Analyte	Result	Limit	Dilut	tion 1	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: SL			Batch: 2322076
Benzene	ND	0.0250	1	(06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	(06/03/23	06/04/23	
Toluene	ND	0.0250	1	(06/03/23	06/04/23	
o-Xylene	ND	0.0250	1	(06/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1	(06/03/23	06/04/23	
Total Xylenes	ND	0.0250	1	(06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	(06/03/23	06/04/23	
Surrogate: Toluene-d8		94.0 %	70-130	•	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: SL			Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1	(06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130	(06/03/23	06/04/23	
Surrogate: Toluene-d8		94.0 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL			Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1	(06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	(06/03/23	06/03/23	
Surrogate: n-Nonane		96.1 %	50-200		06/03/23	06/03/23	
		mg/kg		Analyst: RAS	S		Batch: 2322067
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	maryst. 1c. i.			Daten. 2322007



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW6

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2322076
Benzene	ND	0.0250	1		06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	l	06/03/23	06/04/23	
Toluene	ND	0.0250	1	Į.	06/03/23	06/04/23	
o-Xylene	ND	0.0250	1	Į.	06/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1	Į.	06/03/23	06/04/23	
Total Xylenes	ND	0.0250	1		06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		97.6 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: S	SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		97.6 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		106 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	JL		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	Į.	06/03/23	06/03/23	
Surrogate: n-Nonane		96.5 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: l	RAS		Batch: 2322067
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Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW7

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2322076
Benzene	ND	0.0250	1		06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1		06/03/23	06/04/23	
Toluene	ND	0.0250	1	l	06/03/23	06/04/23	
o-Xylene	ND	0.0250	1	l	06/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1	l	06/03/23	06/04/23	
Total Xylenes	ND	0.0250	1		06/03/23	06/04/23	
Surrogate: Bromofluorobenzene	·	98.0 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.0 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: S	SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.0 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.0 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	ıL		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/23	06/03/23	_
Oil Range Organics (C28-C36)	ND	50.0	1		06/03/23	06/03/23	
Surrogate: n-Nonane		103 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2322067
Allions by ETA 500:0/7050A							



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW8

		Reporting					
Analyte	Result	Limit	Dilut	tion P	repared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: SL			Batch: 2322076
Benzene	ND	0.0250	1	0	6/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	0	6/03/23	06/04/23	
Toluene	ND	0.0250	1	0	6/03/23	06/04/23	
o-Xylene	ND	0.0250	1	0	6/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1	0	6/03/23	06/04/23	
Total Xylenes	ND	0.0250	1	0	6/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.0 %	70-130	0	06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	0	6/03/23	06/04/23	
Surrogate: Toluene-d8		94.1 %	70-130	0	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: SL			Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1	0	6/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.0 %	70-130	0	06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	0	06/03/23	06/04/23	
Surrogate: Toluene-d8		94.1 %	70-130	0	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL			Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1	0	6/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	0	6/03/23	06/03/23	
Surrogate: n-Nonane		105 %	50-200	0	06/03/23	06/03/23	
	mg/kg	mg/kg	1	Analyst: RAS	}		Batch: 2322067
Anions by EPA 300.0/9056A	1116/116	88					



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW9

	_	Reporting	_				
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2322076
Benzene	ND	0.0250		1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250		1	06/03/23	06/04/23	
Toluene	ND	0.0250		1	06/03/23	06/04/23	
o-Xylene	ND	0.0250		1	06/03/23	06/04/23	
p,m-Xylene	ND	0.0500		1	06/03/23	06/04/23	
Total Xylenes	ND	0.0250		1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		94.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		94.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/23	06/03/23	
Surrogate: n-Nonane		97.1 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2322067
Chloride	ND	20.0		1	06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW10

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepa	red Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: SL		Batch: 2322076
Benzene	ND	0.0250	1	06/03	/23 06/04/23	
Ethylbenzene	ND	0.0250	1	06/03	/23 06/04/23	
Toluene	ND	0.0250	1	06/03	/23 06/04/23	
o-Xylene	ND	0.0250	1	06/03	/23 06/04/23	
p,m-Xylene	ND	0.0500	1	06/03	/23 06/04/23	
Total Xylenes	ND	0.0250	1	06/03	/23 06/04/23	
Surrogate: Bromofluorobenzene		99.5 %	70-130	06/03	/23 06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/03	/23 06/04/23	
Surrogate: Toluene-d8		93.4 %	70-130	06/03	/23 06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03	/23 06/04/23	
Surrogate: Bromofluorobenzene		99.5 %	70-130	06/03	/23 06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/03	/23 06/04/23	
Surrogate: Toluene-d8		93.4 %	70-130	06/03	/23 06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03	/23 06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03	/23 06/03/23	
Surrogate: n-Nonane		99.1 %	50-200	06/03	/23 06/03/23	
1 I TID 1 200 0/00 T ()	mg/kg	mg/kg	I	Analyst: RAS		Batch: 2322067
Anions by EPA 300.0/9056A	88	8 8				



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW11

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	SL		Batch: 2322076
Benzene	ND	0.0250		1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250		1	06/03/23	06/04/23	
Toluene	ND	0.0250		1	06/03/23	06/04/23	
o-Xylene	ND	0.0250		1	06/03/23	06/04/23	
p,m-Xylene	ND	0.0500		1	06/03/23	06/04/23	
Total Xylenes	ND	0.0250		1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.5 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.4 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	SL		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0		1	06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.5 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		93.4 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	ЛL		Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0		1	06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0		1	06/03/23	06/03/23	
Surrogate: n-Nonane		102 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2322067
Chloride	ND	20.0		1	06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW12

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: SL			Batch: 2322076
Benzene	ND	0.0250	1		06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1		06/03/23	06/04/23	
Toluene	ND	0.0250	1		06/03/23	06/04/23	
o-Xylene	ND	0.0250	1		06/03/23	06/04/23	
p,m-Xylene	ND	0.0500	1		06/03/23	06/04/23	
Total Xylenes	ND	0.0250	1		06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.4 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		94.4 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	I	Analyst: SL	·		Batch: 2322076
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/03/23	06/04/23	
Surrogate: Bromofluorobenzene		98.4 %	70-130		06/03/23	06/04/23	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130		06/03/23	06/04/23	
Surrogate: Toluene-d8		94.4 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL			Batch: 2322077
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1		06/03/23	06/03/23	
Surrogate: n-Nonane		103 %	50-200		06/03/23	06/03/23	
	mg/kg	mg/kg	,	Analyst: RA	AS		Batch: 2322067
Anions by EPA 300.0/9056A	mg/kg	mg/kg					Buten: 2322007



Pima Environmental Services-CarlsbadProject Name:Cobber 21-33 Fed. Com 3HPO Box 247Project Number:01058-0007Reported:Plains TX, 79355-0247Project Manager:Tom Bynum6/5/2023 11:52:44AM

CSW13

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2322074
Benzene	ND	0.0250	1		06/03/23	06/03/23	
Ethylbenzene	ND	0.0250	1	l	06/03/23	06/03/23	
Toluene	ND	0.0250	1	l	06/03/23	06/03/23	
o-Xylene	ND	0.0250	1		06/03/23	06/03/23	
p,m-Xylene	ND	0.0500	1		06/03/23	06/03/23	
Total Xylenes	ND	0.0250	1		06/03/23	06/03/23	
Surrogate: Bromofluorobenzene		98.6 %	70-130		06/03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		06/03/23	06/03/23	
Surrogate: Toluene-d8		93.8 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg		Analyst: S	SL		Batch: 2322074
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/03/23	06/03/23	
Surrogate: Bromofluorobenzene		98.6 %	70-130		06/03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		06/03/23	06/03/23	
Surrogate: Toluene-d8		93.8 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	īL		Batch: 2322078
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	<u> </u>	06/03/23	06/03/23	
Surrogate: n-Nonane		87.4 %	50-200		06/03/23	06/03/23	
	mg/kg	mg/kg		Analyst: F	RAS		Batch: 2322065
Anions by EPA 300.0/9056A		88					



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW14

		Reporting					
Analyte	Result	Limit	Dilut	tion Prej	pared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: SL			Batch: 2322074
Benzene	ND	0.0250	1	06/0	03/23	06/03/23	
Ethylbenzene	ND	0.0250	1	06/0	03/23	06/03/23	
Toluene	ND	0.0250	1	06/0	03/23	06/03/23	
o-Xylene	ND	0.0250	1	06/0	03/23	06/03/23	
p,m-Xylene	ND	0.0500	1	06/0	03/23	06/03/23	
Total Xylenes	ND	0.0250	1	06/0	03/23	06/03/23	
Surrogate: Bromofluorobenzene		98.4 %	70-130	06/0	03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/0	03/23	06/03/23	
Surrogate: Toluene-d8		93.2 %	70-130	06/0	03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: SL			Batch: 2322074
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/0	03/23	06/03/23	
Surrogate: Bromofluorobenzene		98.4 %	70-130	06/0	03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	06/0	03/23	06/03/23	
Surrogate: Toluene-d8		93.2 %	70-130	06/0	03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: JL			Batch: 2322078
Diesel Range Organics (C10-C28)	ND	25.0	1	06/0	03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/0	03/23	06/03/23	
Surrogate: n-Nonane		85.8 %	50-200	06/0	03/23	06/03/23	
		/1		Analyst: RAS			Batch: 2322065
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Allalyst: KAS			Batch: 2322003



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW15

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2322074
Benzene	ND	0.0250	1		06/03/23	06/03/23	
Ethylbenzene	ND	0.0250	1		06/03/23	06/03/23	
Toluene	ND	0.0250	1		06/03/23	06/03/23	
o-Xylene	ND	0.0250	1		06/03/23	06/03/23	
p,m-Xylene	ND	0.0500	1		06/03/23	06/03/23	
Total Xylenes	ND	0.0250	1		06/03/23	06/03/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130		06/03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/03/23	
Surrogate: Toluene-d8		92.6 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	-	Analyst: S	SL		Batch: 2322074
Gasoline Range Organics (C6-C10)	ND	20.0	1		06/03/23	06/03/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130		06/03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130		06/03/23	06/03/23	
Surrogate: Toluene-d8		92.6 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		Batch: 2322078
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1		06/03/23	06/03/23	
Surrogate: n-Nonane		84.9 %	50-200		06/03/23	06/03/23	
	mg/kg	mg/kg		Analyst: F	RAS		Batch: 2322065
Anions by EPA 300.0/9056A	mg/kg	mg/kg					Buten: 2322003



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

CSW16

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: S	SL		Batch: 2322074
Benzene	ND	0.0250	1		06/03/23	06/03/23	
Ethylbenzene	ND	0.0250	1		06/03/23	06/03/23	
Toluene	ND	0.0250	1	l	06/03/23	06/03/23	
o-Xylene	ND	0.0250	1	l	06/03/23	06/03/23	
p,m-Xylene	ND	0.0500	1	l	06/03/23	06/03/23	
Total Xylenes	ND	0.0250	1		06/03/23	06/03/23	
Surrogate: Bromofluorobenzene		96.8 %	70-130		06/03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		06/03/23	06/03/23	
Surrogate: Toluene-d8		93.7 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: S	SL		Batch: 2322074
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	06/03/23	06/03/23	
Surrogate: Bromofluorobenzene		96.8 %	70-130		06/03/23	06/03/23	
Surrogate: 1,2-Dichloroethane-d4		107 %	70-130		06/03/23	06/03/23	
Surrogate: Toluene-d8		93.7 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	ıL		Batch: 2322078
Diesel Range Organics (C10-C28)	ND	25.0	1		06/03/23	06/03/23	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ	06/03/23	06/03/23	
Surrogate: n-Nonane		88.4 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2322065
Allions by EFA 500.0/9030A							



Ethylbenzene

Toluene

o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

Cobber 21-33 Fed. Com 3H Pima Environmental Services-Carlsbad Project Name: Reported: 01058-0007 PO Box 247 Project Number: Plains TX, 79355-0247 Project Manager: Tom Bynum 6/5/2023 11:52:44AM Volatile Organic Compounds by EPA 8260B Analyst: SL Source Reporting Spike Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2322074-BLK1) Prepared: 06/03/23 Analyzed: 06/03/23 ND 0.0250 Ethylbenzene ND 0.0250 Toluene ND 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.496 0.500 99.1 70-130 Surrogate: 1,2-Dichloroethane-d4 0.521 0.500 104 70-130 0.500 93.5 70-130 Surrogate: Toluene-d8 0.468 LCS (2322074-BS1) Prepared: 06/03/23 Analyzed: 06/03/23 2.66 0.0250 2.50 107 70-130 Benzene 2.46 2.50 98.5 70-130 0.0250 Ethylbenzene 2.40 0.0250 2.50 96.0 70-130 2.41 2.50 96.4 70-130 o-Xylene 0.0250 91.9 4.60 5.00 70-130 p,m-Xylene 0.0500 7.01 0.0250 7.50 93.4 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.494 0.500 98.7 70-130 0.500 106 70-130 Surrogate: 1,2-Dichloroethane-d4 0.531 Surrogate: Toluene-d8 0.500 70-130 0.461 Matrix Spike (2322074-MS1) Source: E306014-03 Prepared: 06/03/23 Analyzed: 06/03/23 48-131 2.61 0.0250 2.50 ND 104

Matrix Spike Dup (2322074-MSD1)				Source:	E306014-	03	Prepared: 0	6/03/23 Analyzed: 06/03/23
Benzene	2.91	0.0250	2.50	ND	116	48-131	10.9	23
Ethylbenzene	2.69	0.0250	2.50	ND	107	45-135	9.95	27
Toluene	2.64	0.0250	2.50	ND	106	48-130	10.8	24
o-Xylene	2.67	0.0250	2.50	ND	107	43-135	11.6	27
p,m-Xylene	5.08	0.0500	5.00	ND	102	43-135	11.6	27
Total Xylenes	7.75	0.0250	7.50	ND	103	43-135	11.6	27
Surrogate: Bromofluorobenzene	0.493		0.500		98.6	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.530		0.500		106	70-130		
Surrogate: Toluene-d8	0.457		0.500		91.3	70-130		

2.50

2.50

2.50

5.00

7.50

0.500

0.500

0.500

2.43

2.37

2.38

4.52

6.90

0.492

0.534

0.456

0.0250

0.0250

0.0250

0.0500

0.0250

ND

ND

ND

ND

ND

97.2

94.8

95.1

90.4

92.0

98.4

107

91.1

45-135

48-130

43-135

43-135

43-135

70-130

70-130

70-130

QC Summary Data

Cobber 21-33 Fed. Com 3H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 01058-0007 Project Number: Plains TX, 79355-0247 Project Manager: Tom Bynum 6/5/2023 11:52:44AM **Volatile Organic Compounds by EPA 8260B** Analyst: SL Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2322076-BLK1) Prepared: 06/03/23 Analyzed: 06/03/23 ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.491 0.500 98.2 70-130 Surrogate: 1,2-Dichloroethane-d4 0.524 0.500 105 70-130 0.500 93.5 70-130 Surrogate: Toluene-d8 0.468 LCS (2322076-BS1) Prepared: 06/03/23 Analyzed: 06/03/23 2.62 0.0250 2.50 105 70-130 Benzene 2.45 2.50 97.9 70-130 Ethylbenzene 0.0250 2.39 0.0250 2.50 95.7 70-130 2.40 95.9 70-130 0.0250 2.50 o-Xylene 4.54 5.00 90.8 70-130 p,m-Xylene 0.0500 6.94 0.0250 7.50 92.5 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.487 0.500 97.3 70-130 0.500 107 70-130 Surrogate: 1,2-Dichloroethane-d4 0.535 Surrogate: Toluene-d8 0.500 70-130 0.460 Matrix Spike (2322076-MS1) Source: E306016-03 Prepared: 06/03/23 Analyzed: 06/03/23 48-131 2.44 0.0250 2.50 ND 97.7 45-135 Ethylbenzene 2.27 0.0250 2.50 ND 90.7 ND 48-130 Toluene 2.22 0.0250 2.50 88.8 2.19 0.0250 2.50 ND 87.8 43-135 o-Xylene 4.16 ND 83.2 43-135 p,m-Xylene 0.0500 5.00 Total Xylenes 6.35 0.0250 7.50 ND 84.7 43-135

Ethylbenzene	2.02	0.0250	2.50	ND	80.9	45-135	11.5	27	
Toluene	1.99	0.0250	2.50	ND	79.8	48-130	10.7	24	
o-Xylene	1.97	0.0250	2.50	ND	78.8	43-135	10.7	27	
p,m-Xylene	3.76	0.0500	5.00	ND	75.1	43-135	10.2	27	
Total Xylenes	5.73	0.0250	7.50	ND	76.4	43-135	10.3	27	
Surrogate: Bromofluorobenzene	0.494		0.500		98.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.464		0.500		92.7	70-130			

0.500

0.500

0.500

2.50

0.0250

0.488

0.543

0.460

2.18

97.5

109

92.0

87.2

Source: E306016-03

ND

70-130

70-130

70-130

48-131

11.3

Prepared: 06/03/23 Analyzed: 06/03/23

23

Surrogate: Bromofluorobenzene

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

Matrix Spike Dup (2322076-MSD1)

Matrix Spike Dup (2322074-MSD2)

Gasoline Range Organics (C6-C10)

 ${\it Surrogate: Bromofluor obenzene}$

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

42.8

0.494

0.539

0.471

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Cobber 21-33 Fed. Com 3HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum6/5/2023 11:52:44AM

Plains TX, 79355-0247		Project Manager	r: 10	m Bynum				6/	/5/2023 11:52:44A
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: SL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2322074-BLK1)							Prepared: 0	6/03/23 Ana	lyzed: 06/03/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.496		0.500		99.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.521		0.500		104	70-130			
Surrogate: Toluene-d8	0.468		0.500		93.5	70-130			
LCS (2322074-BS2)							Prepared: 0	6/03/23 Ana	lyzed: 06/03/23
Gasoline Range Organics (C6-C10)	41.2	20.0	50.0		82.3	70-130			
Surrogate: Bromofluorobenzene	0.494		0.500		98.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.536		0.500		107	70-130			
Surrogate: Toluene-d8	0.466		0.500		93.1	70-130			
Matrix Spike (2322074-MS2)				Source:	E306014-0	03	Prepared: 0	6/03/23 Ana	lyzed: 06/03/23
Gasoline Range Organics (C6-C10)	42.0	20.0	50.0	ND	84.0	70-130			
Surrogate: Bromofluorobenzene	0.502		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.532		0.500		106	70-130			
Surrogate: Toluene-d8	0.464		0.500		92.8	70-130			

50.0

0.500

0.500

0.500

20.0

Source: E306014-03

85.6

98.8

108

94.1

ND

70-130

70-130

70-130

70-130

1.80

Prepared: 06/03/23 Analyzed: 06/03/23

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Cobber 21-33 Fed. Com 3HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum6/5/2023 11:52:44AM

	Non	halogenated	Organics	by EPA 80	15D - G	RO			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
Blank (2322076-BLK1)									lyzed: 06/03/23
Gasoline Range Organics (C6-C10)	ND	20.0					1		<u>, </u>

Surrogate: Toluene-d8	0.468		0.500	93.5	70-130
LCS (2322076-BS2)					Prepared: 06/03/23 Analyzed: 06/03/23
Gasoline Range Organics (C6-C10)	44.6	20.0	50.0	89.3	70-130
Surrogate: Bromofluorobenzene	0.500		0.500	100	70-130
Surrogate: 1,2-Dichloroethane-d4	0.519		0.500	104	70-130
Surrogate: Toluene-d8	0.467		0.500	93.3	70-130

0.500

0.500

98.2

105

70-130

70-130

0.491

0.524

Matrix Spike (2322076-MS2)				Source:	E306016-0	3	Prepared: 06/03/23 Analyzed: 06/03/23
Gasoline Range Organics (C6-C10)	39.9	20.0	50.0	ND	79.8	70-130	
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.527		0.500		105	70-130	
Surrogate: Toluene-d8	0.467		0.500		93.4	70-130	

Matrix Spike Dup (2322076-MSD2)				Source	E306016-0	03	Prepared: 06	6/03/23 Analyzed: 06/03/23
Gasoline Range Organics (C6-C10)	35.5	20.0	50.0	ND	71.0	70-130	11.7	20
Surrogate: Bromofluorobenzene	0.492		0.500		98.3	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.516		0.500		103	70-130		
Surrogate: Toluene-d8	0.468		0.500		93.5	70-130		

QC Summary Data

Pima Environmental Services-CarlsbadProject Name:Cobber 21-33 Fed. Com 3HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum6/5/2023 11:52:44AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					6/5/2023 11:52:44AN
	Nonha	logenated Or		Analyst: JL					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2322077-BLK1)							Prepared: 0	6/03/23 A	Analyzed: 06/03/23
riesel Range Organics (C10-C28)	ND	25.0							
ril Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	52.4		50.0		105	50-200			
.CS (2322077-BS1)							Prepared: 0	6/03/23 A	Analyzed: 06/03/23
riesel Range Organics (C10-C28)	267	25.0	250		107	38-132			
urrogate: n-Nonane	52.1		50.0		104	50-200			
Aatrix Spike (2322077-MS1)				Source:	E306016-	16	Prepared: 0	6/03/23 A	Analyzed: 06/03/23
riesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
urrogate: n-Nonane	49.5		50.0		99.1	50-200			
Matrix Spike Dup (2322077-MSD1)				Source:	E306016-	16	Prepared: 0	6/03/23 A	Analyzed: 06/03/23
tiesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132	0.413	20	
urrogate: n-Nonane	49.2		50.0		98.4	50-200			

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Cobber 21-33 Fed. Com 3H 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					6/5/2023 11:52:44AN
	Nonhal	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2322078-BLK1)							Prepared: 0	6/03/23 Aı	nalyzed: 06/03/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	44.8		50.0		89.5	50-200			
LCS (2322078-BS1)							Prepared: 0	6/03/23 Aı	nalyzed: 06/03/23
Diesel Range Organics (C10-C28)	199	25.0	250		79.6	38-132			
urrogate: n-Nonane	37.9		50.0		75.9	50-200			
Matrix Spike (2322078-MS1)				Source:	E306014-	07	Prepared: 0	6/03/23 Aı	nalyzed: 06/05/23
Diesel Range Organics (C10-C28)	243	25.0	250	ND	97.3	38-132			
urrogate: n-Nonane	44.2		50.0		88.5	50-200			
Matrix Spike Dup (2322078-MSD1)				Source:	E306014-	07	Prepared: 0	6/03/23 Aı	nalyzed: 06/03/23
Diesel Range Organics (C10-C28)	248	25.0	250	ND	99.3	38-132	2.05	20	
urrogate: n-Nonane	42.0		50.0		84.1	50-200			



Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Cobber 21-33 Fed. Com 3H 01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 11:52:44AM

	Anions by EPA 300.0/9056A								Analyst: RAS	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2322065-BLK1)							Prepared: 0	6/02/23 Analy	yzed: 06/03/23	
Chloride	ND	20.0								
LCS (2322065-BS1)							Prepared: 0	6/02/23 Analy	yzed: 06/03/23	
Chloride	247	20.0	250		98.8	90-110				
LCS Dup (2322065-BSD1)							Prepared: 0	6/02/23 Analy	yzed: 06/03/23	

250

20.0

98.8

90-110

0.0830



Chloride

QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:	(Cobber 21-33 F 01058-0007 Tom Bynum	ed. Com 3	Н			Reported: 6/5/2023 11:52:44AM
		Anions	by EPA	300.0/9056	\				Analyst: RAS
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2322067-BLK1)							Prepared: 0	6/02/23 A	nalyzed: 06/03/23
Chloride	ND	20.0							
LCS (2322067-BS1)							Prepared: 0	6/02/23 A	nalyzed: 06/03/23
Chloride	242	20.0	250		96.7	90-110			
LCS Dup (2322067-BSD1)							Prepared: 0	6/02/23 A	nalyzed: 06/03/23

250

20.0

99.9

90-110

3.24

250

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

ſ	Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 Fed. Com 3H	
١	PO Box 247	Project Number:	01058-0007	Reported:
١	Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/05/23 11:52

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.



Received by OCD: 6/12/2023 8:36:03 AM

Client: Pima Environmenta	Services		D Bill To				Lab	Us	e Onl	у				TA	T	EPA P	rogram
Project: Cobber 73 33 Project Manager: Tom Bynu	ted. Com 3H		ention: Pevon		Lab	WO#	ъ,	,	Job N	lumt	er		2D	3D	Standard	CWA	SDWA
Address: 5614 N. Lovingtor			dress:		E	50	DO				-0007	X					
City, State, Zip Hobbs, NM.			y, State, Zip one:			-		-	Analys	sis an	d Method	1			100		RCRA
Phone: 580-748-1613	00240		ail:							1					100		
Email: tom@pimaoil.com					801	8015									NINAL CO	State	LTVI
Report due by:		Pii	ma Project # 286		yd C	yd C	3021	260	010	300.		Σ	×		INIVI CC	UT AZ	IX
Time 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		верос	. DODDS			Remarks	
9:00 \$11/23 \$	1	551										X					
9:05	1 0	57		2													
9:10	C	.53		3			1]										
7:15	C	SY		U													
9:20	C	55		5													
9:25	C	56		10													
9:36	CS	7															
9:35 _	CS	8		8													
9:406/2123		WI		9								1					
9:45 _	I CSI	UZ		10													
Additional Instructions:		B=	+ 21146772									-	-				
, (field sampler), attest to the validity and date or time of collection is considered fra	d authenticity of this aud and may be grou	sample. I am aware t nds for legal action.	hat tampering with or intentionally mislabe Sampled by:	lling the sample	locatio	on,									ived on ice the day C on subsequent d		ed or received
Relinquished by: (Signature)	6/2/23	Time 230	Received by: (Signature)	Date 620	23	Time 14	30		Recei	ived	on ice:	/	ab Us	e Only	1		
Relinquished by: (Signature)	Date (2-23)	Time /800	Received by: (Signature)	B-2-		Time	00		T1			T2	٠٠, ر		T3		
Relinquished by: (Signature)	6-2-22		Received by Signature)	Date 2	23	Time	715	5	AVG	Tem	ا م	1					
Sample Matrix: S - Soil, Sd - Solid, Sg - Slue	dge, A - Aqueous, O -	Other	- Compagne	Container	Туре	: g - g	lass, p	- po	lv/pla	stic. a	ag - ambe	r gla	ss. v -	VOA			
Note: Samples are discarded 30 days	after results are re	eported unless other	er arrangements are made. Hazardou	s samples will	be ret	urned	to clien	t or	dispos	ed of	at the clier	nt exp	ense.	The re	port for the an	lysis of the	above
samples is applicable only to those sa	amples received by	the laboratory wit	h this COC. The liability of the laborato	ry is limited to	the a	mount	t paid fo	or on	the re	port		1				Amel of Sec.	12000



Project Informatio

Chain of Custody

-	, -	>
Page /	of	5_

Received by OCD: 6/12/2023 8:36:03 AM

Client: P	ima Envi	ronmen	tal Servi	ces	Bill To	-		Salar	La	ab Us	e On	lv				TA	Т	EPA P	rogram
Project:	Cobbe	r 23	22 F	ed. Com3+	Attention: Devon		Lab	WO#		1000	Job I	No. of Concession, Name of Street, or other Persons, Name of Street, or other Persons, Name of Street, Name of	oer	1D	2D		Standard	CWA	SDWA
	Manager:				Address:		E3	do	90	g	010	58	7000-	X					
	5614 N.				City, State, Zip						Analy	sis an	d Method	1					RCRA
	e, Zip Ho		M. 88240)	Phone:														
	580-748-			in the second	Email:		15	15										State	
	tom@pin	iaoil.cor	n		Dim Dai 14 766		y 80	80 /	н	0		0.0		-			NM CO	UT AZ	TX
Report d	ie ph:				Pima Project # 286		0 p	o p	802	826(2010	300		S	×		У		
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		верос	BGDOC			Remarks	
Wioo	6/2/13	5	1	CSW3		((X					
10:05		136		CSWY		12								1					
10:10				CSWS		13													
10:15				CSW6		14								1					
10:20				CSW 7		15								1					
10:25				CSW8	•	10													
10:30				CSW 9		竹													
10:35				CSW 10		18								1					
10:40				CSWII		19								T					
10:45	+	1	1	CSWI	2	20								1		\Box			
Addition	al Instruct	ions:			B#21146772														
				icity of this sample. I am	aware that tampering with or intentionally mislabell action. Sampled by:	ling the sample	locatio	on,			The Contract of						eived on ice the day		d or received
Relinquishe	d by: (Signa		Date	12/23 Time 230		Date Le-1-	23	Time	BD		Rece	ived	on ice:		B U	se Only	у		
Mild		ey Pr		2-23 Time	Received by: (Signature)	Date (2-2-	23	_	ga		T1		on icc.	17	"		T3		
Relinquishe	d by: (Signa	ture) N <i>GG</i>	Date	2-2-23 Time 23	Received by (Signature)	Date ()/3	23	Tum	115		AVG	Tem	n°C (1					
				queous, O - Other	12 mayor	Container	Type	. p - p	lass					or gla	cc v -	VOA			
					ess other arrangements are made. Hazardous	samples will	he ret	urned	to clie	ent or	disno	ed of	at the clies	nt evr	ance	Thors	port for the and	lucic of the	hous
samples is a	applicable of	nly to those	e samples n	eceived by the laborat	tory with this COC. The liability of the laborator	v is limited to	thea	mount	t naid	for or	the r	enort	at the the	ii cxt	CHSC.	THE TE	portroi the and	iyaia oi tile	ibove



t: Pima Environmental Services ct: COURT 7317. Fed.COM3	Attention: Peyon			Sheet.	Lai	-	e On	CONTRACTOR OF TAXABLE PARTY.	11			TAT			EPA P	rogram
ct Manager: Tom Bynum	Attention: Yevon	-	Lab \	NO#	ALL		1 dol	Number		1D	2D	3D S	Standard	ı k	CWA	SDWA
ess: 5614 N. Lovington Hwy.	City, State, Zip		EO		Olc	4	Analy	sis and M	lethod	×			1			RCRA
State, Zip Hobbs, NM, 88240	Phone:								T		T	T				RCKA
e: 580-748-1613 : tom@pimaoil.com	Email:		3015	3015									wal.		state	
rt due by:	Pima Project # 756		O by	O by 8	8021	3260	010	300.0		Z	¥		NM C	0 0	1 AZ	IX
e Date 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		верос	верос		X	Re	emarks	
	13 لى	21								X						
S CSU) 14	aa														
o CSI	U 15	23														
2 T T C21	J 16	24								1						
				1												
							/	-								Al-
ional Instructions:	B# 21146772	?							-		_					
sampler), attest to the validity and authenticity of this sar time of collection is considered fraud and may be ground	ole. I am aware that tampering with or intentionally mislabel	lling the sample											d on ice the c		are sample	ed or receive
rished by: (Signature) Prime Proteine Ce/212)	230 Received by: (Signature)	02-2	3	Time 14	30		Rece	ived on	ice:		b Use	Only				
ulshed by: (Signature) Date 6233	Received by: (Signature)	Date 6-2-7		Time	00		T1			T2	, "		T3			
Jished by: (Signature) Jew Myso Date 1-2-23	2345 Reseived by: (Signature)	Pate 3	23	Y Y	15			Temp °(7	(70		



Printed: 6/5/2023 10:14:01AM

Envirotech Analytical Laboratory

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:	06/03/23 0	00:15		Work Order ID:	E306016
Phone:	(575) 631-6977	Date Logged In:	06/02/23 1	6:50		Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	06/05/23 1	7:00 (0 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location ma	tch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: C	ourier		
	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes	carrer. <u>c</u>	<u>ourici</u>		
	Il samples received within holding time?		Yes				
o. Were as	Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi		100			Comments	s/Resolution
Sample T	<u>urn Around Time (TAT)</u>						
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	<u>Cooler</u>						
7. Was a s	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was the	e 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	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling		Yes				
13. If no v	visible ice, record the temperature. Actual sample	temperature: 4°0	<u>C</u>				
Sample C	<u>Container</u>						
14. Are ac	queous VOC samples present?		No				
15. Are V	OC 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 no	on-VOC samples collected in the correct containers	?	Yes				
19. Is the a	appropriate volume/weight or number of sample contain	ners collected?	Yes				
Field Lab	<u>pel</u>						
	field sample labels filled out with the minimum info	ormation:					
	ample ID?		Yes				
	ate/Time Collected? ollectors name?		Yes	•			
	reservation		Yes				
-	the COC or field labels indicate the samples were p	reserved?	No				
	ample(s) correctly preserved?	reserved:	NA NA				
	filteration required and/or requested for dissolved n	netals?	No				
	1	ilouis.	110				
	se Sample Matrix	9	3.7				
	the sample have more than one phase, i.e., multipha		No				
27. If yes,	does the COC specify which phase(s) is to be analy	yzed?	NA				
	act Laboratory						
	amples required to get sent to a subcontract laborato	-	No				
29. Was a	subcontract laboratory specified by the client and i	f so who?	NA	Subcontract Lab	: NA		
Client In	<u>istruction</u>						

Date

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

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 226193

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	226193
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
nvelez	None	9/12/2023