ate of New Mexico

Incident ID	nAPP2309133942
District RP	
Facility ID	
Application ID	

## **Site Assessment/Characterization**

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

Did this release impact groundwater or surface water?  Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  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?  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?	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?  Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  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?  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?	00 (ft bgs)
watercourse?  Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?  Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?  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?  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?	s 🗓 No
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by less than five households for domestic or stock watering purposes?  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?	s 🗓 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	s No
water well field?	s 🗓 No
And the leteral extents of the valence within 200 feet of a westland?	s 🔃 No
Are the lateral extents of the release within 300 feet of a wetland?	s 🗓 No
Are the lateral extents of the release overlying a subsurface mine?	s 🗓 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	s 🗓 No
Are the lateral extents of the release within a 100-year floodplain?	s 🗓 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	s 🛛 No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extended contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	ents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
<ul> <li>X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.</li> <li>X Field data</li> <li>X Data table of soil contaminant concentration data</li> <li>X Depth to water determination</li> <li>X Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> <li>X Boring or excavation logs</li> <li>X Photographs including date and GIS information</li> </ul>	

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 8:43:41 AM Form C-141 State of New Mexico Oil Conservation Division Page 4

	Page 2 of 1	92
cident ID	nAPP2309133942	
strict RP		

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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 of 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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# 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 Attachmer	nt Checklist: Each of the following i	tems must be in	included in the closure report.					
X A scaled site and sampling diagram as described in 19.15.29.11 NMAC								
x Photographs of the remomust be notified 2 days prior		of the liner inte	tegrity if applicable (Note: appropriate OCD District office					
X Laboratory analyses of f	final sampling (Note: appropriate ODC	C District office	e must be notified 2 days prior to final sampling)					
Description of remediate	ion activities							
and regulations all operators a may endanger public health o should their operations have f human health or the environm compliance with any other fee restore, reclaim, and re-vegeta accordance with 19.15.29.13.  Printed Name:	are required to report and/or file certain the environment. The acceptance of failed to adequately investigate and rement. In addition, OCD acceptance of deral, state, or local laws and/or regulate the impacted surface area to the control NMAC including notification to the Control of the Co	n release notifice a C-141 report mediate contamina C-141 report cations. The responditions that expenditions that expect when reclaims.  Title: En	of my knowledge and understand that pursuant to OCD rules fications and perform corrective actions for releases which it by the OCD does not relieve the operator of liability mination that pose a threat to groundwater, surface water, a does not relieve the operator of responsibility for exponsible party acknowledges they must substantially existed prior to the release or their final land use in amation and re-vegetation are complete.  **Total Company States**  **Total Company State					
email:dale.woodall@dvn			575-748-1839					
OCD Only								
Received by:Jocelyn	Harimon	Date: _	06/12/2023					
remediate contamination that		water, human he	ould their operations have failed to adequately investigate and nealth, or the environment nor does not relieve the responsible					
Closure Approved by:	Nelson Velez	Date	te:09/12/2023					
Printed Name:	Nelson Velez	Title	le: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 #6H

API No. 30-025-46922

GPS: Latitude 32.035596 Longitude -103.470464

UL -- A, 21, T26S, R34E

Lea County, NM

NMOCD Ref. No. NAPP2309133942

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 #6H (Cobber). The initial C-141 was submitted on April 7, 2023 (Appendix C). This incident was assigned Incident IDNAPP2309133942 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 A, Section 21, Township 26S, Range 34E, Latitude 32.035596 Longitude -103.470464, 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	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**

**NAPP2309133942:** 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 9.6 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 areas. 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 (North of Pad)

NM	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
	DEVON ENERGY -COBBER 21 33 FEDERAL COM #006H								
	Sample	Date: 4/7/2	2023	NM	Approved	Laboratory	Results		
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg	
	1'	ND	ND	ND	72.6	60.6	133.2	1250	
NS1	2'	ND	ND	ND	172	214	386	132	
INST	3'	ND	ND	ND	35.6	ND	35.6	126	
	4'	ND	ND	ND	ND	ND	0	ND	
	1'	ND	ND	ND	91.8	55	146.8	1670	
NS2	2'	ND	ND	ND	35.8	ND	35.8	126	
N52	3'	ND	ND	ND	39.4	ND	39.4	139	
l	4'	ND	ND	ND	ND	ND	0	ND	
	1'	ND	ND	ND	52.2	ND	52.2	1080	
NS3	2'	ND	ND	ND	36.4	ND	36.4	132	
INSS	3'	ND	ND	ND	35.6	ND	35.6	135	
	4'	ND	ND	ND	ND	ND	0	ND	
	1'	ND	ND	ND	85.8	79.9	165.7	1300	
NS4	2'	ND	ND	ND	40.2	ND	40.2	145	
1454	3'	ND	ND	ND	39.1	59.4	98.5	139	
	4'	ND	ND	ND	ND	ND	0	ND	
NSW1	6"	ND	ND	ND	ND	ND	0	ND	
NSW2	6"	ND	ND	ND	ND	ND	0	ND	
NSW3	6"	ND	ND	ND	ND	ND	0	ND	
NSW4	6"	ND	ND	ND	ND	ND	0	ND	
NSW5	6"	ND	ND	ND	ND	ND	0	ND	
NSW6	6"	ND	ND	ND	ND	ND	0	ND	
NSW7	6"	ND	ND	ND	ND	ND	0	ND	
NSW8	6"	ND	ND	ND	ND	ND	0	ND	
BG 1	6"	ND	ND	ND	ND	ND	0	ND	

ND- Analyte Not Detected

4/7/2023 Soil Sample Results (South of Pad)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -COBBER 21 33 FEDERAL COM #006H								
	Sample	Date: 4/7/2	2023	NM	Approved	l Laboratory	Results	
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
	1'	ND	ND	ND	48.4	ND	48.4	574
SS1	2'	ND	ND	ND	34.9	ND	34.9	138
351	3'	ND	ND	ND	ND	ND	0	28.6
	4'	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	48.8	ND	48.8	768
SS2	2'	ND	ND	ND	32.2	55.2	87.4	120
552	3'	ND	ND	ND	ND	ND	0	31.7
	4'	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	45.8	ND	45.8	1400
SS3	2'	ND	ND	ND	31.9	ND	31.9	130
333	3'	ND	ND	ND	ND	ND	0	34
	4'	ND	ND	ND	ND	ND	0	ND
	1'	ND	ND	ND	36.8	ND	36.8	797
SS4	2'	ND	ND	ND	42.3	58.7	101	133
554	3'	ND	ND	ND	ND	ND	0	34
	4'	ND	ND	ND	ND	ND	0	ND
SSW 1	6"	ND	ND	ND	ND	ND	0	ND
SSW 2	6"	ND	ND	ND	ND	ND	0	ND
SSW 3	6"	ND	ND	ND	ND	ND	0	ND
SSW 4	6"	ND	ND	ND	ND	ND	0	ND
			NID Ass	Juta Nat D				

ND- Analyte Not Detected

On May 27, 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, 146 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 (North of Pad)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')										
	DEVON ENERGY -COBBER 21 33 FEDERAL COM #006H									
	Sample	Date: 6/1/2	023	NIV	Approve	l Laboratory	Results			
	Depth	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI		
Sample ID	(BGS)	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		
NCS 1	2'	ND	ND	ND	ND	ND	0	ND		
NCS 2	2'	ND	ND	ND	ND	ND	0	ND		
NCS 3	2'	ND	ND	ND	ND	ND	0	ND		
NCS 4	2'	ND	ND	ND	ND	ND	0	ND		
NCS 5	2'	ND	ND	ND	ND	ND	0	ND		
NCS 6	2'	ND	ND	ND	ND	ND	0	ND		
NCS 7	2'	ND	ND	ND	ND	ND	0	ND		
NCS 8	2'	ND	ND	ND	ND	ND	0	ND		
NCS 9	2'	ND	ND	ND	ND	ND	0	ND		
NCS 10	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 1	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 2	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 3	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 4	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 5	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 6	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 7	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 8	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 9	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 10	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 11	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 12	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 13	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 14	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 15	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 16	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 17	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 18	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 19	2'	ND	ND	ND	ND	ND	0	ND		
NCSW 20	2'	ND	ND	ND	ND	ND	0	ND		

ND- Analyte Not Detected

#### (South of Pad)

NIV	NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')									
	DEVON ENERGY -COBBER 21 33 FEDERAL COM #006H									
	Sample	Date: 6/1/2	023	NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg		
SCS 1	2'	ND	ND	ND	ND	ND	0	ND		
SCS 2	2'	ND	ND	ND	ND	ND	0	ND		
SCS 3	2'	ND	ND	ND	ND	ND	0	ND		
SCS 4	2'	ND	ND	ND	ND	ND	0	ND		
SCS 5	2'	ND	ND	ND	ND	ND	0	ND		
SCS 6	2'	ND	ND	ND	ND	ND	0	ND		
SCS 7	2'	ND	ND	ND	ND	ND	0	ND		
SCS 8	2'	ND	ND	ND	ND	ND	0	ND		
SCS 9	2'	ND	ND	ND	ND	ND	0	ND		
SCS 10	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 1	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 2	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 3	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 4	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 5	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 6	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 7	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 8	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 9	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 10	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 11	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 12	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 13	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 14	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 15	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 16	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 17	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 18	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 19	2'	ND	ND	ND	ND	ND	0	ND		
SCSW 20	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, NAPP2309133942, 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:

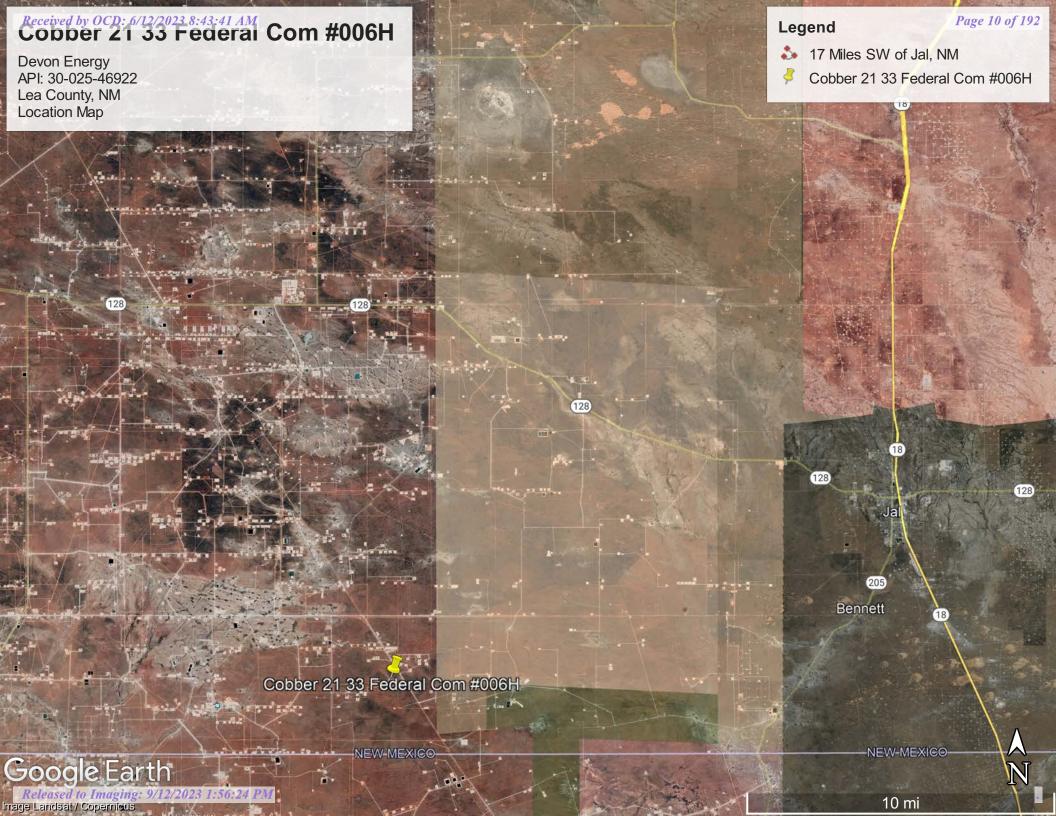
1-Location Map

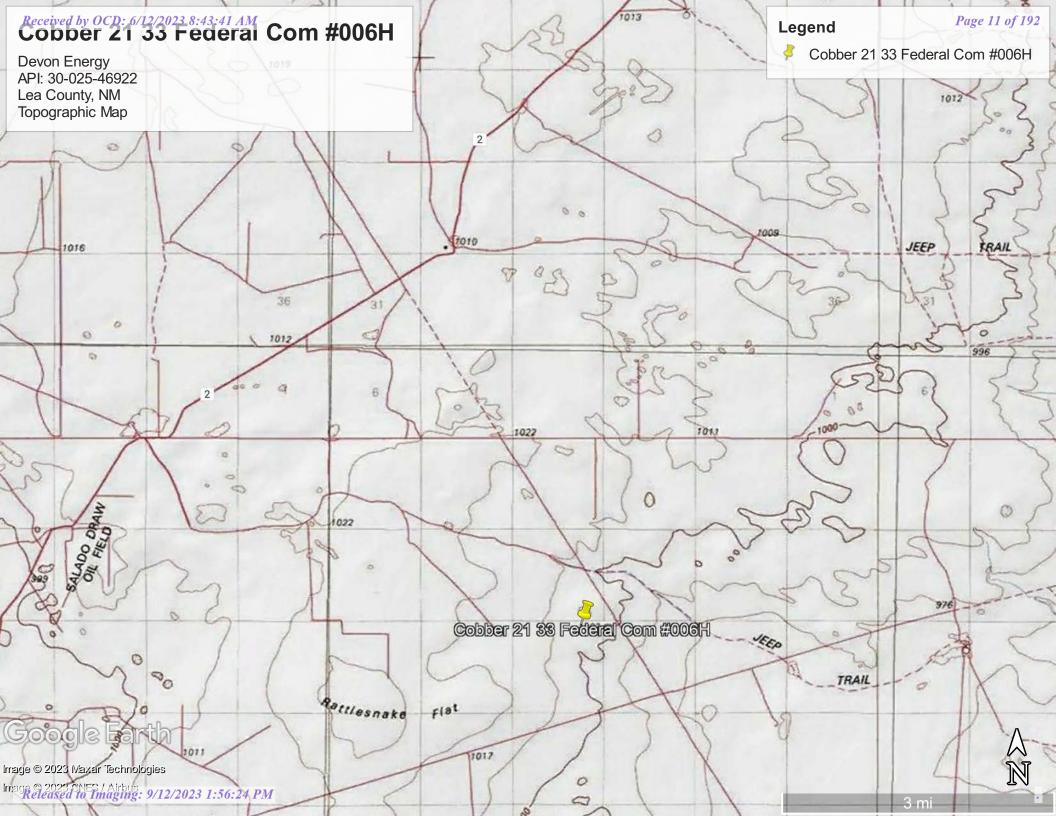
2-Topographic Map

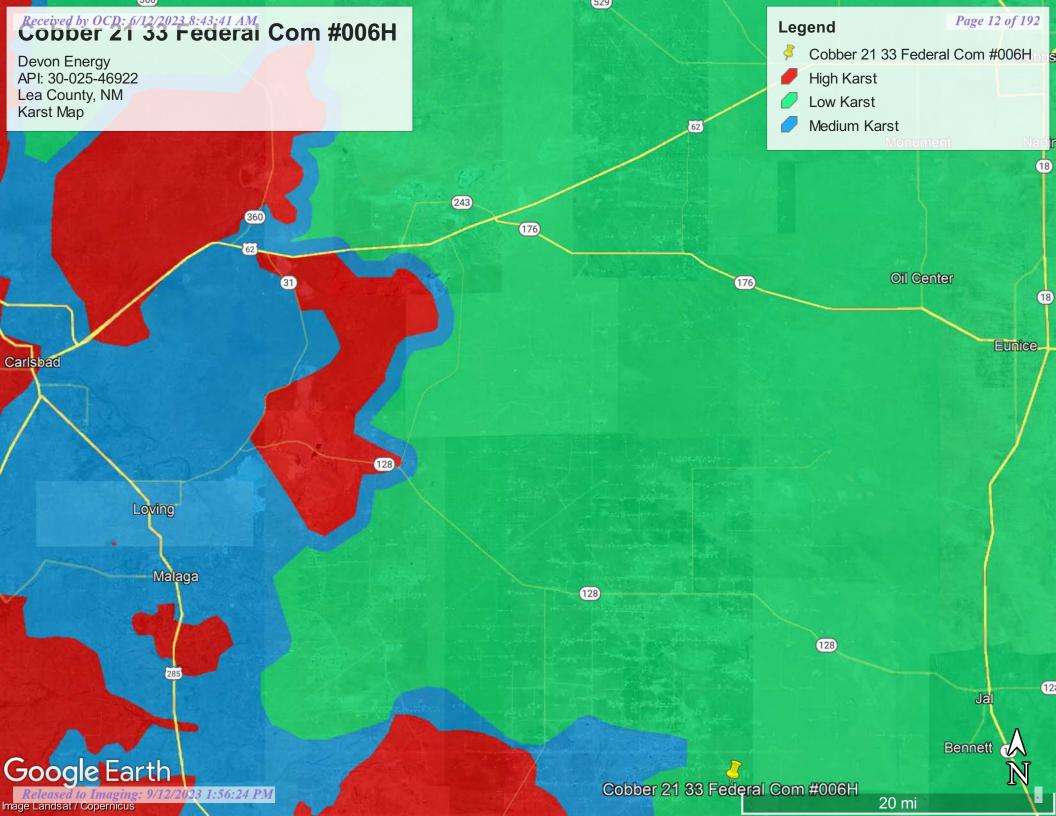
3-Karst Map

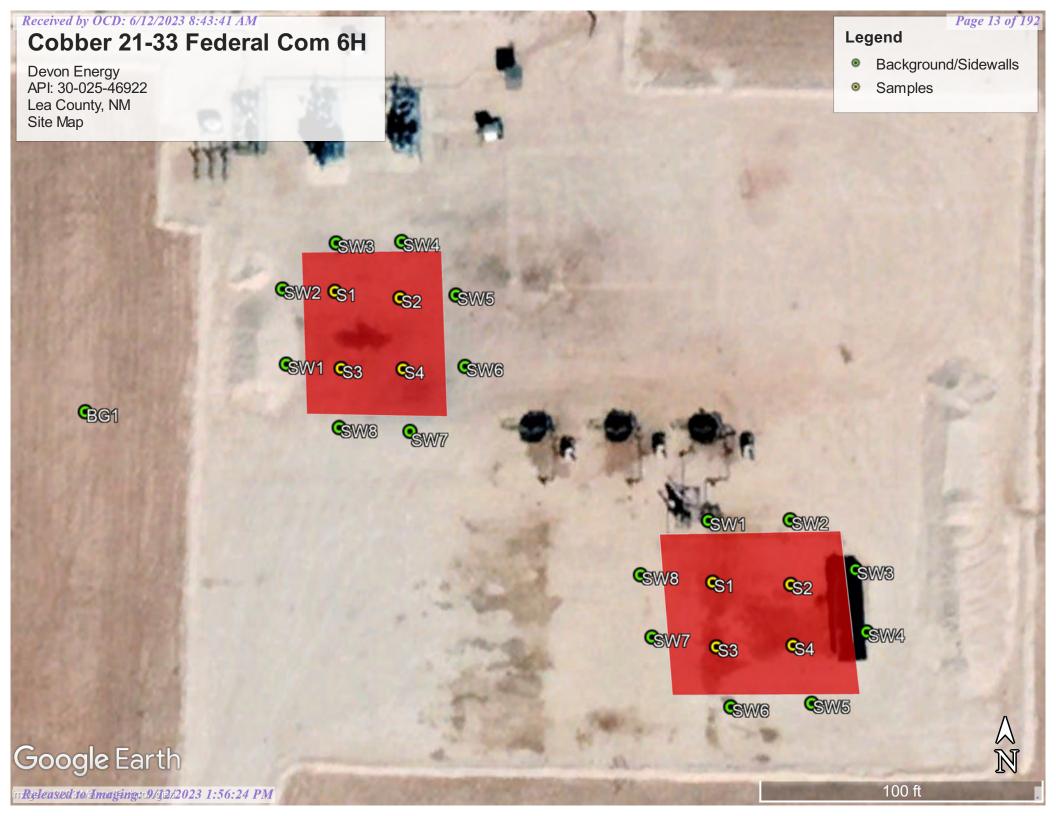
4-Site Map

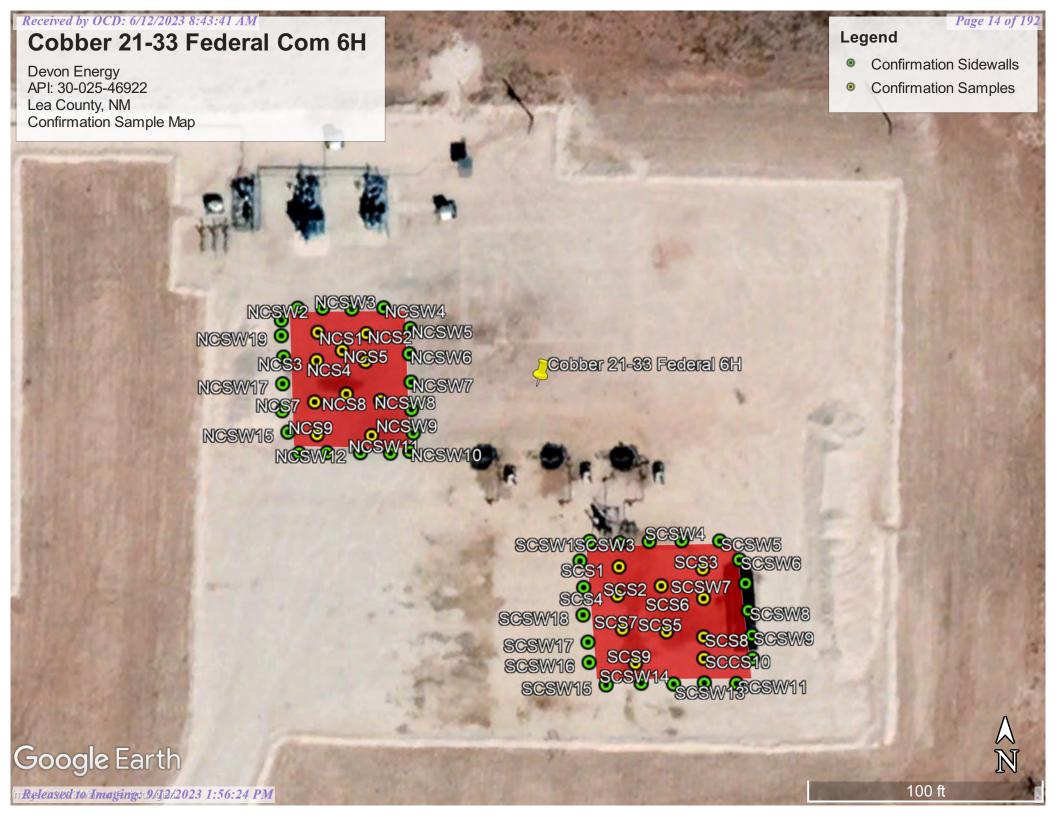
5-Confirmation Sample Map













# 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								,	Vater
POD Number	Code	basin	County	64	16	4	Sec	Tws	Rng	X	Y	DistanceDep	othWellDep	thWater C	olumn
C 04583 POD1		CUB	LE	3	3	3	15	26S	34E	644920	3545643	549	55		
C 04626 POD1		CUB	LE	4	2	1	18	26S	34E	640644	3546672	3988			
C 02295		CUB	LE	2	2	4	12	26S	33E	639865	3547624	5072	250	200	50
C 03442 POD1		C	LE	4	1	2	06	26S	34E	641056	3550028	5722	251		
C 02292 POD1		CUB	LE	4	1	2	06	26S	34E	640992	3549987	5727	200	140	60
C 03441 POD1		C	LE	4	1	2	06	26S	34E	640971	3550039	5781	250		
C 02291		CUB	LE	1	1	2	06	26S	34E	640825	3550140*	5949	220	160	60
C 02316		CUB	LE	3	4	3	29	25S	34E	642003	3551967*	6996	100	50	50
C 02317		CUB	LE	3	4	3	29	25S	34E	642003	3551967*	6996	100	50	50

Average Depth to Water:

120 feet

Minimum Depth:

50 feet

Maximum Depth:

200 feet

**Record Count:** 9

<u>UTMNAD83 Radius Search (in meters):</u>

**Easting (X):** 644425.43 **Northing (Y):** 3545403.38 **Radius:** 7000

\*UTM location was derived from PLSS - see Help

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

4/4/23 8:50 AM

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:		
Groundwater	~	United States	~	GO

#### Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access real-time 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

#### 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 measurements 

GO

Lea County, New Mexico

Hydrologic Unit Code 13070001

Latitude 32°00'56", Longitude 103°33'35" NAD27

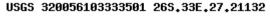
Land-surface elevation 3,273 feet above NAVD88

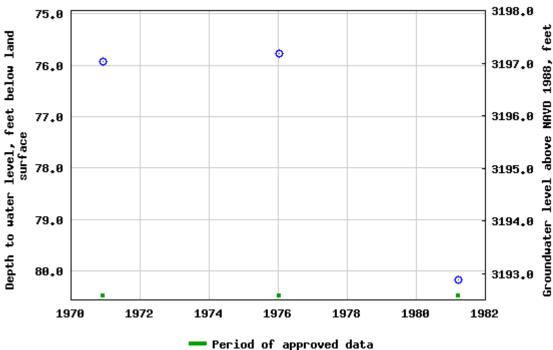
This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

**Output formats** 

<u>Table of data</u>	
<u>Tab-separated data</u>	
Graph of data	
Reselect period	





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

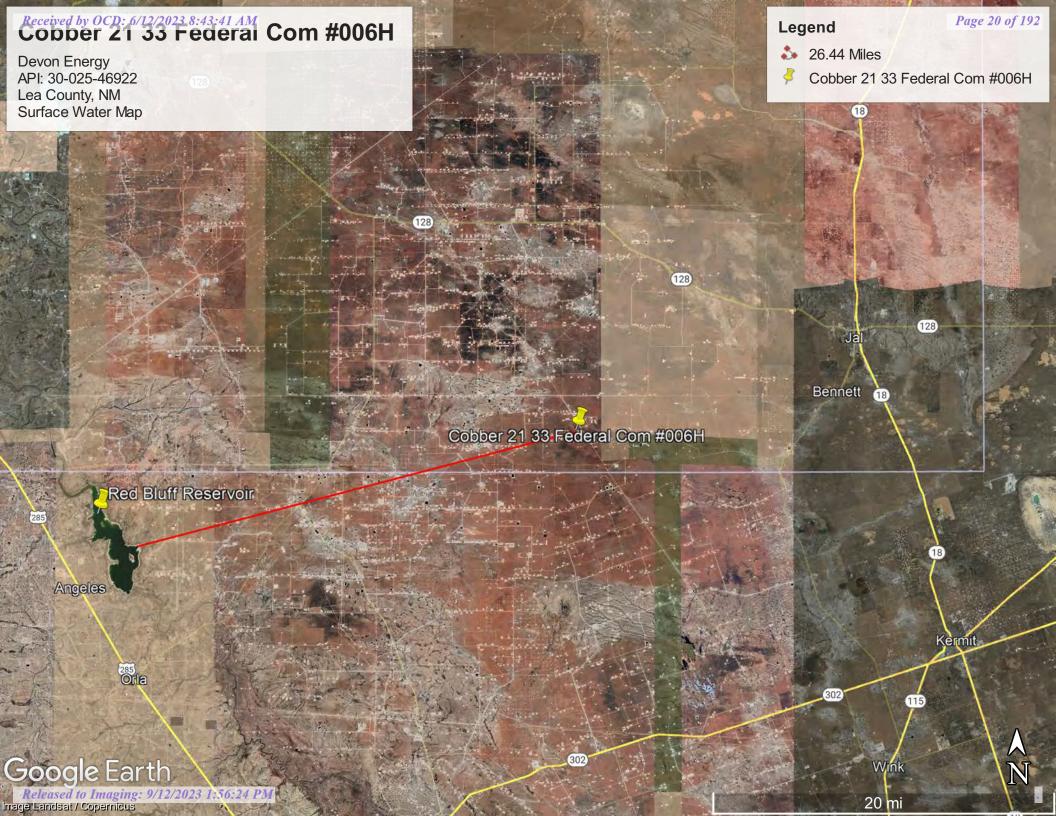
**Title: Groundwater for USA: Water Levels** 

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

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2023-04-04 10:47:17 EDT

0.57 0.49 nadww02







# 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

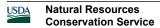
mmhos/cm)

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

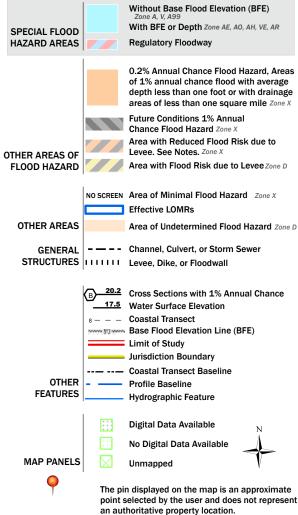
ORelease To Imaging: 9/12/2023 P.96:24 PM

# Received by OCD: 6/12/2023 8:43:41,AM National Flood Hazard Layer FIRMette



## Legend

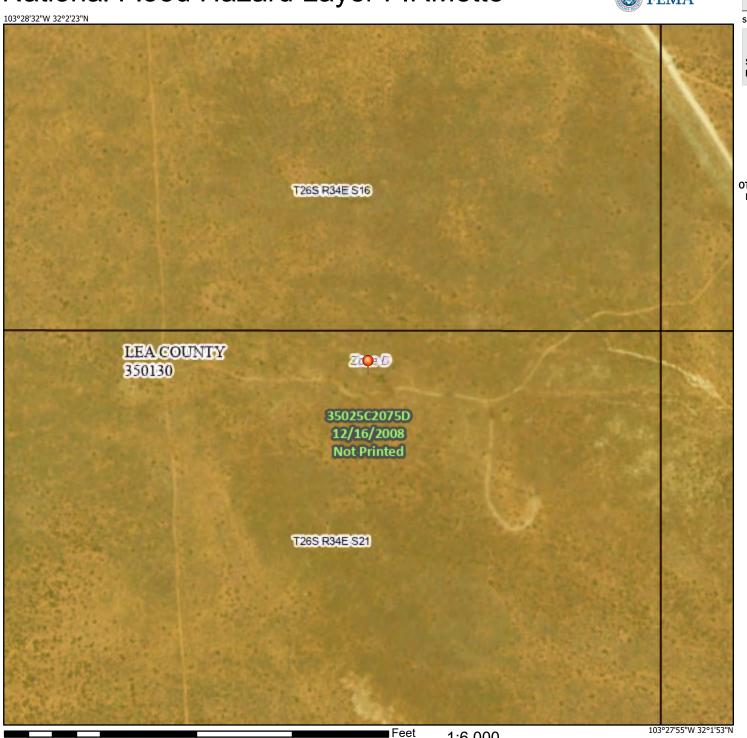
SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT



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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/4/2023 at 10:51 AM 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.



2.000



# Wetlands Map



April 4, 2023

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

Other

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 C

C-141 Form

48-Hour Notification

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	nAPP2309133942
District RP	
Facility ID	
Application ID	

## **Release Notification**

## **Responsible Party**

			1		V		
Responsible	Party Devor	n Energy Produc	tion Company	OGRID <sub>61</sub>	137		
Contact Nan			· ·	Contact Te	Contact Telephone 575-748-1838		
Contact ema	il dale.woo	dall@dvn.com			Incident # (assigned by OCD) nAPP2309133942		
Contact mail	ling address	205 E. Bender	Road # 150; H	obbs, NM 88240	0		
			Location	of Release So	ource		
Latitude 32	2.035596	6	(NAD 83 in doc	Longitude _	-103.4704(	64	
G': M							
		33 FEDERAL	COM #006H	Site Type			
Date Release	Discovered	3/28/2023		API# (if app	API# (if applicable) 30-025-46922		
Unit Letter	Section	Township	Range	Coun	ntv		
Α	21	26S	34E	LE,	•		
Surface Owne	er: State	■ Federal □ Tr	ibal	Name:		)	
			Nature and	l Volume of l	Release		
	Materia	l(s) Released (Select al	l that apply and attach	calculations or specific	justification for the v	volumes provided below)	
Crude Oi		Volume Release			Volume Recov		
Produced	Water	Volume Release	d (bbls)		Volume Recovered (bbls)		
			ion of total dissolv water >10,000 mg	` /	Yes No		
Condensa	ate	Volume Release	d (bbls)		Volume Recov	ered (bbls)	
Natural C	Gas	Volume Release	d (Mcf)		Volume Recov	ered (Mcf)	
Other (de	escribe)	Volume/Weight	Released (provide	e units)	Volume/Weigh	nt Recovered (provide units)	

Cause of Release

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 4,306 square feet were impacted, zero fluids recovered, estimated release is 9.6 bbls of liquids

9.6

Received by OCD: 6/12/2023/8:43:41/AM State of New Mexico
Page 2 Oil Conservation Division

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Incident ID	nAPP2309133942
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	nsible 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	y unless 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 c	ikes, absorbent pads, or other containment devices.			
	ecoverable materials have been removed an				
If all the actions described	d above have <u>not</u> been undertaken, explain	vhy:			
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.			
		pest of my knowledge and understand that pursuant to OCD rules and			
public health or the environr	nent. The acceptance of a C-141 report by the C	fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have			
addition, OCD acceptance of and/or regulations.	f a C-141 report does not relieve the operator of	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			
Printed Name: Dale Woodall Signature: Dale Woodall Date: 4/7/2023					
email: dale.wooda		Telephone: 575-748-1838			
OCD O-L-					
OCD Only					
Received by:	lyn Harimon	Date: <u>04/10/2023</u>			

#### COBBER 21 33 FEDERAL COM #006H

#### OCD incident # nAPP2309133942

Spill Volume(Bbls) Calculator					
Inputs in blue	Inputs in blue, Outputs in red				
Contaminated Soil measurement					
Area (Ft 2)	Depth (in)				
<u>4306</u>	<u>1.000</u>				
Cubic Feet of Soil Impacted	<u>358.833</u>				
Barrels of Soil Impacted	<u>63.96</u>				
Soil Type	Clay/Sand				
Barrels of Oil Assuming	9.59				
100% Saturation	2.33				

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 205116

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	205116
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
jharimon	None	4/10/2023

	Page 32 of 192
Incident ID	nAPP2309133942
District RP	
Facility ID	
Application ID	

## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?		
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 X 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 <b>not</b> 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.		
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well</li> <li>Field data</li> </ul>	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   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		
X 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 8:43:41 AM
State of New Mexico
Page 4
Oil Conservation Division

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** Date: \_\_\_\_\_ Received by:

Page 34 of 192

Incident ID	nAPP2309133942
District RP	
Facility ID	
Application ID	

# Closure

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

Closure Report Attachment Checklist: Each of the following i	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 ODC District office must be notified 2 days prior to final sampling)			
Description of remediation activities			
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.  Printed Name: Dale Woodall  Title: Environmental Professional  Date: 6/12/2023			
email:dale.woodall@dvn.com	Telephone: 575-748-1839		
OCD Only			
Received by:	Date:		
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.			
Closure Approved by:	Date:		
Printed Name:	Title:		



Gio PimaOil <gio@pimaoil.com>

## **Cobber 21-33 Federal Com 6H Confirmation Samples**

1 message

Gio PimaOil <gio@pimaoil.com>

Wed, May 24, 2023 at 1:34 PM

To: ocdonline@state.nm.us, Tom Pima Oil <tom@pimaoil.com>

Good Afternoon,

Pima Environmental would like to notify you that we will begin collecting confirmation samples at the Cobber 21-33 Federal Com 6H Battery for incident NAPP2309133942. Pima personnel are scheduled to be on site for this sampling event at approximately 9:00 a.m. on Saturday, May 27, 2023. If you have any questions or concerns, please let me know. Thank you

Project Manager cell-806-782-1151
Office- 575-964-7740

Pima Environmental Services, LLC.



# Appendix D

Photographic Documentation



# SITE PHOTOGRAPHS DEVON ENERGY COBBER 21 33 FEDERAL COM #006H

Site Assessment







## P

#### Excavation



## P

#### **Post Excavation**

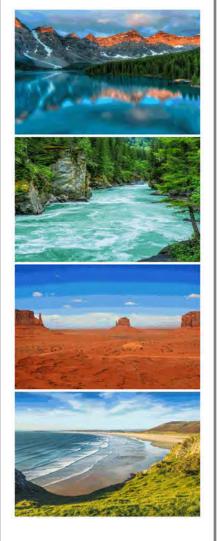




#### Appendix E

**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 6H

Work Order: E304047

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 6H

Workorder: E304047

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 6H.

The analytical test results summarized in this report with the Project Name: Cobber 21-33 6H 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 Office: 505-421-LABS(5227)

Rayny Hagan

West Texas Midland/Odessa Area

Envirotech Web Address: www.envirotech-inc.com

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#### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	Donoutoda
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/17/23 14:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
NS1 - 1'	E304047-01A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS1 - 2'	E304047-02A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS1 - 3'	E304047-03A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS1 - 4'	E304047-04A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS2 - 1'	E304047-05A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS2 - 2'	E304047-06A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS2 - 3'	E304047-07A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS2 - 4'	E304047-08A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS3 - 1'	E304047-09A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS3 - 2'	E304047-10A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS3 - 3'	E304047-11A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS3 - 4'	E304047-12A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS4 - 1'	E304047-13A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS4 - 2'	E304047-14A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS4 - 3'	E304047-15A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NS4 - 4'	E304047-16A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NSW1-	E304047-17A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NSW2-	E304047-18A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NSW3-	E304047-19A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NSW4-	E304047-20A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SSW5	E304047-21A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SSW6	E304047-22A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SSW7	E304047-23A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SSW8	E304047-24A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NSW5	E304047-25A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NSW6	E304047-26A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NSW7	E304047-27A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
NSW8	E304047-28A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
BG1	E304047-29A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NS1 - 1' E304047-01

	E504047-01					
Result	Reporting Limit	Dilu	tion	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst: F	RKS	<u> </u>	Batch: 2315028
ND	0.0250	1		04/11/23	04/13/23	
ND	0.0250	1	Ĺ	04/11/23	04/13/23	
ND	0.0250	1		04/11/23	04/13/23	
ND	0.0250	1		04/11/23	04/13/23	
ND	0.0500	1	Į.	04/11/23	04/13/23	
ND	0.0250	1		04/11/23	04/13/23	
	100 %	70-130		04/11/23	04/13/23	
	102 %	70-130		04/11/23	04/13/23	
	102 %	70-130		04/11/23	04/13/23	
mg/kg	mg/kg	1	Analyst: F	RKS		Batch: 2315028
ND	20.0	1	ļ	04/11/23	04/13/23	
	100 %	70-130		04/11/23	04/13/23	
	102 %	70-130		04/11/23	04/13/23	
	102 %	70-130		04/11/23	04/13/23	
mg/kg	mg/kg	1	Analyst: J	L		Batch: 2315054
72.6	25.0	1		04/11/23	04/13/23	
60.6	50.0	1		04/11/23	04/13/23	
	117 %	50-200		04/11/23	04/13/23	
mg/kg	mg/kg		Analyst: F	RAS		Batch: 2315044
	mg/kg ND ND ND ND ND ND ND ND ND The state of the state o	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           IOO %         102 %           102 %         102 %           ND         20.0           100 %         102 %           102 %         102 %           102 %         102 %           mg/kg         mg/kg           72.6         25.0           60.6         50.0	Reporting           Result         Limit         Dilu           mg/kg         mg/kg           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         102 %           102 %         70-130         102 %           ND         20.0         1           100 %         70-130         102 %           102 %         70-130         102 %           102 %         70-130         102 %           102 %         70-130         102 %           102 %         70-130         102 %           102 %         70-130         102 %           102 %         70-130         102 %           102 %         70-130         102 %           102 %         70-130         102 %           100 %         70-130         102 %	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analyst: Factorial Processing Proc	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: RKS           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           102%         70-130         04/11/23           102%         70-130         04/11/23           100%         70-130         04/11/23           102%         70-130         04/11/23           102%         70-130         04/11/23           102%         70-130         04/11/23           102%         70-130         04/11/23           102%         70-130         04/11/23           102%         70-130         04/11/23           102%         70-130         04/11/23           102%         70-130         04/11/23           104         1	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         04/11/23         04/13/23           ND         0.0250         1         04/11/23         04/13/23           ND         0.0250         1         04/11/23         04/13/23           ND         0.0500         1         04/11/23         04/13/23           ND         0.0250         1         04/11/23         04/13/23           ND         0.0250         1         04/11/23         04/13/23           100 %         70-130         04/11/23         04/13/23           102 %         70-130         04/11/23         04/13/23           102 %         70-130         04/11/23         04/13/23           100 %         70-130         04/11/23         04/13/23           102 %         70-130         04/11/23         04/13/23           102 %         70-130         04/11/23         04/13/23           102 %         70-130         04/11/23         04/13/23           102 %         70-130         04/11/23         04/13/23



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS1 - 2'

	E504047-02					
Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
		1	 I	04/11/23	04/13/23	
ND	0.0250	1	1	04/11/23	04/13/23	
ND	0.0250	1	1	04/11/23	04/13/23	
ND	0.0250	1	l	04/11/23	04/13/23	
ND	0.0500	1	1	04/11/23	04/13/23	
ND	0.0250	1	l	04/11/23	04/13/23	
	99.5 %	70-130		04/11/23	04/13/23	
	96.7 %	70-130		04/11/23	04/13/23	
	101 %	70-130		04/11/23	04/13/23	
mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
ND	20.0	1	l	04/11/23	04/13/23	
	99.5 %	70-130		04/11/23	04/13/23	
	96.7 %	70-130		04/11/23	04/13/23	
	101 %	70-130		04/11/23	04/13/23	
mg/kg	mg/kg		Analyst:	JL		Batch: 2315054
172	25.0	1	1	04/11/23	04/13/23	
214	50.0	1	1	04/11/23	04/13/23	
	120 %	50-200		04/11/23	04/13/23	
mø/kø	mg/kg		Analyst:	RAS		Batch: 2315044
1118/118						
	mg/kg ND ND ND ND ND ND ND ND ND The state of the state o	Result         Reporting 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           MD         99.5 %           96.7 %         101 %           mg/kg         mg/kg           MD         20.0           99.5 %         96.7 %           101 %         101 %           mg/kg         mg/kg           172         25.0           214         50.0           120 %	Reporting           Limit         Dilu           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           99.5 %         70-130           96.7 %         70-130           101 %         70-130           mg/kg         mg/kg           ND         20.0           99.5 %         70-130           96.7 %         70-130           101 %         70-130           mg/kg         mg/kg           172         25.0           214         50.0	Reporting Limit         Dilution           mg/kg         mg/kg         Analyst:           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           99.5 %         70-130         70-130           mg/kg         mg/kg         Analyst:           ND         20.0         1           99.5 %         70-130         70-130           96.7 %         70-130         70-130           101 %         70-130         70-130           mg/kg         mg/kg         Analyst:           172         25.0         1           214         50.0         1	Reporting           Result         Limit         Dilution         Prepared           mg/kg         Analyst: RKS           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           99.5 %         70-130         04/11/23           96.7 %         70-130         04/11/23           101 %         70-130         04/11/23           99.5 %         70-130         04/11/23           99.5 %         70-130         04/11/23           101 %         70-130         04/11/23           101 %         70-130         04/11/23           101 %         70-130         04/11/23           101 %         70-130         04/11/23           101 %         70-130         04/11/23           101 %         70-130         04/11/23           102 %         50-200         1         04/11/23	Reporting         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: RKS           ND         0.0250         1         04/11/23         04/13/23           ND         0.0250         1         04/11/23         04/13/23           ND         0.0250         1         04/11/23         04/13/23           ND         0.0500         1         04/11/23         04/13/23           ND         0.0250         1         04/11/23         04/13/23           ND         0.0250         1         04/11/23         04/13/23           99.5 %         70-130         04/11/23         04/13/23           96.7 %         70-130         04/11/23         04/13/23           mg/kg         mg/kg         Analyst: RKS           ND         20.0         1         04/11/23         04/13/23           99.5 %         70-130         04/11/23         04/13/23           96.7 %         70-130         04/11/23         04/13/23           101 %         70-130         04/11/23         04/13/23           mg/kg         mg/kg         Analyst: JL           17



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS1 - 3' E304047-03

		E304047-03					
Analyte	Result	Reporting Limit	Dilu	ıtion	Prepared	Analyzed	Notes
maye	Kesuit	Lillit	Dilu	itiOII	1 repared	Anaryzou	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Benzene	ND	0.0250	1	1	04/11/23	04/13/23	
Ethylbenzene	ND	0.0250	1	1	04/11/23	04/13/23	
Toluene	ND	0.0250	1	1	04/11/23	04/13/23	
o-Xylene	ND	0.0250	1	1	04/11/23	04/13/23	
p,m-Xylene	ND	0.0500	1	1	04/11/23	04/13/23	
Total Xylenes	ND	0.0250	1	1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		100 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		100 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315054
Diesel Range Organics (C10-C28)	35.6	25.0	1	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/11/23	04/14/23	
Surrogate: n-Nonane		121 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2315044
Chloride	126	20.0	1	1	04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NS1 - 4'

		E304047-04					
Reporting							
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2315028	
Benzene	ND	0.0250	1	04/11/23	04/13/23		
Ethylbenzene	ND	0.0250	1	04/11/23	04/13/23		
Toluene	ND	0.0250	1	04/11/23	04/13/23		
o-Xylene	ND	0.0250	1	04/11/23	04/13/23		
p,m-Xylene	ND	0.0500	1	04/11/23	04/13/23		
Total Xylenes	ND	0.0250	1	04/11/23	04/13/23		
Surrogate: Bromofluorobenzene		102 %	70-130	04/11/23	04/13/23		
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	04/11/23	04/13/23		
Surrogate: Toluene-d8		100 %	70-130	04/11/23	04/13/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2315028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/23	04/13/23		
Surrogate: Bromofluorobenzene		102 %	70-130	04/11/23	04/13/23		
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	04/11/23	04/13/23		
Surrogate: Toluene-d8		100 %	70-130	04/11/23	04/13/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2315054	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23		
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23		
Surrogate: n-Nonane		119 %	50-200	04/11/23	04/14/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2315044	
Chloride	ND	20.0	1	04/11/23	04/12/23		



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS2 - 1'

E304047-05

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	:: RKS		Batch: 2315028
Benzene	ND	0.0250		1	04/11/23	04/13/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/13/23	
Toluene	ND	0.0250		1	04/11/23	04/13/23	
o-Xylene	ND	0.0250		1	04/11/23	04/13/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/13/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	:: RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		99.0 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	:: JL		Batch: 2315054
Diesel Range Organics (C10-C28)	91.8	25.0		1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	55.0	50.0		1	04/11/23	04/14/23	
Surrogate: n-Nonane		120 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	:: RAS		Batch: 2315044
Chloride	1670	20.0		1	04/11/23	04/12/23	· · · · · · · · · · · · · · · · · · ·

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 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS2 - 2' E304047-06

		Reporting					
Analyte	Result	Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Benzene	ND	0.0250		1	04/11/23	04/13/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/13/23	
Toluene	ND	0.0250		1	04/11/23	04/13/23	
o-Xylene	ND	0.0250		1	04/11/23	04/13/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/13/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315054
Diesel Range Organics (C10-C28)	35.8	25.0		1	04/11/23	04/13/23	

50.0

mg/kg

20.0

50-200

119 %

ND

mg/kg

126

04/11/23

04/11/23

04/11/23

Analyst: RAS

04/13/23

04/13/23

04/12/23

Batch: 2315044

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS2 - 3'

E304047-07							
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: F	RKS		Batch: 2315028
Benzene	ND	0.0250	1	Į.	04/11/23	04/13/23	
Ethylbenzene	ND	0.0250	1	l	04/11/23	04/13/23	
Toluene	ND	0.0250	1	l	04/11/23	04/13/23	
o-Xylene	ND	0.0250	1	l	04/11/23	04/13/23	
p,m-Xylene	ND	0.0500	1	l	04/11/23	04/13/23	
Total Xylenes	ND	0.0250	1	[	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		100 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: F	RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		100 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		Batch: 2315054
Diesel Range Organics (C10-C28)	39.4	25.0	1	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/11/23	04/13/23	
Surrogate: n-Nonane		121 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: F	RAS		Batch: 2315044
Chloride	139	20.0	1	1	04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS2 - 4'

E304047-08

		Reporting				
Analyte	Result	Limit	Dilut	tion Prepare	ed Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2315028
Benzene	ND	0.0250	1	04/11/2	23 04/13/23	
Ethylbenzene	ND	0.0250	1	04/11/2	23 04/13/23	
Toluene	ND	0.0250	1	04/11/2	23 04/13/23	
o-Xylene	ND	0.0250	1	04/11/2	23 04/13/23	
p,m-Xylene	ND	0.0500	1	04/11/2	23 04/13/23	
Total Xylenes	ND	0.0250	1	04/11/2	23 04/13/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130	04/11/2	23 04/13/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	04/11/2	23 04/13/23	
Surrogate: Toluene-d8		100 %	70-130	04/11/2	23 04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/11/2	23 04/13/23	
Surrogate: Bromofluorobenzene		99.7 %	70-130	04/11/2	23 04/13/23	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	04/11/2	23 04/13/23	
Surrogate: Toluene-d8		100 %	70-130	04/11/2	23 04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: JL		Batch: 2315054
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/2	23 04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/2	23 04/13/23	
Surrogate: n-Nonane		118 %	50-200	04/11/2	23 04/13/23	
	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2315044
Anions by EPA 300.0/9056A	mg/kg	mg/kg		111417001111111		Buten: 2313011



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NS3 - 1'

		E304047-09					
		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Benzene	ND	0.0250		1	04/11/23	04/13/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/13/23	
Toluene	ND	0.0250		1	04/11/23	04/13/23	
o-Xylene	ND	0.0250		1	04/11/23	04/13/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/13/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		102 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		102 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315054
Diesel Range Organics (C10-C28)	52.2	25.0		1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/14/23	
Surrogate: n-Nonane		117 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2315044
Chloride	1080	20.0		1	04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS3 - 2'

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Benzene	ND	0.0250		1	04/11/23	04/13/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/13/23	
Toluene	ND	0.0250		1	04/11/23	04/13/23	
o-Xylene	ND	0.0250		1	04/11/23	04/13/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/13/23	
Total Xylenes	ND	0.0250	į	1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		101 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		99.2 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315054
Diesel Range Organics (C10-C28)	36.4	25.0		1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/14/23	
Surrogate: n-Nonane		123 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2315044



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS3 - 3'

E304047-11	

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RI	KS		Batch: 2315028
Benzene	ND	0.0250	1	1	04/11/23	04/13/23	
Ethylbenzene	ND	0.0250	1	1	04/11/23	04/13/23	
Toluene	ND	0.0250	1	l	04/11/23	04/13/23	
o-Xylene	ND	0.0250	1	l	04/11/23	04/13/23	
p,m-Xylene	ND	0.0500	1	l	04/11/23	04/13/23	
Total Xylenes	ND	0.0250	1	1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		99.4 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: RI	KS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		99.4 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: JL	,		Batch: 2315054
Diesel Range Organics (C10-C28)	35.6	25.0	1	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/11/23	04/14/23	
Surrogate: n-Nonane		123 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: RA	AS		Batch: 2315044
					04/11/23	04/12/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS3 - 4'

E30	146	147	7 1	1
F71	141	14 /		Z

		200101712					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Analyte		Lillit				Allalyzed	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Benzene	ND	0.0250		1	04/11/23	04/13/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/13/23	
Toluene	ND	0.0250		1	04/11/23	04/13/23	
o-Xylene	ND	0.0250		1	04/11/23	04/13/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/13/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		102 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		100 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		102 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		100 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315054
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/14/23	
Surrogate: n-Nonane		128 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2315044
Chloride	ND	20.0		1	04/11/23	04/12/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NS4 - 1'

		E304047-13					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Benzene	ND	0.0250	1	1	04/11/23	04/14/23	
Ethylbenzene	ND	0.0250	1	1	04/11/23	04/14/23	
Toluene	ND	0.0250	1	1	04/11/23	04/14/23	
o-Xylene	ND	0.0250	1	1	04/11/23	04/14/23	
p,m-Xylene	ND	0.0500	1	1	04/11/23	04/14/23	
Total Xylenes	ND	0.0250	1	1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		97.9 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/14/23	
onhalogenated Organics by EPA 8015D - GRO mg/		mg/kg	Analys		Analyst: RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		97.9 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315054
Diesel Range Organics (C10-C28)	85.8	25.0	1	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	79.9	50.0	1	1	04/11/23	04/14/23	
Surrogate: n-Nonane		111 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2315044
		•					•

20.0

04/11/23

04/12/23

1300



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS4 - 2'

		200101711					
Analysis	Result	Reporting Limit		ution	Duranad	Analyzed	Notes
Analyte	Result	Limit	Dil	ution	Prepared	Anaiyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: RKS		Batch: 2315028
Benzene	ND	0.0250		1	04/11/23	04/14/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/14/23	
Toluene	ND	0.0250		1	04/11/23	04/14/23	
o-Xylene	ND	0.0250		1	04/11/23	04/14/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/14/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		96.4 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		96.4 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2315054
Diesel Range Organics (C10-C28)	40.2	25.0		1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/14/23	
Surrogate: n-Nonane		114 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2315044
Chloride	145	20.0		1	04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS4 - 3'

E304047-15	

	_	Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Benzene	ND	0.0250		1	04/11/23	04/14/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/14/23	
Toluene	ND	0.0250		1	04/11/23	04/14/23	
o-Xylene	ND	0.0250		1	04/11/23	04/14/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/14/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		97.5 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		97.5 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315054
Diesel Range Organics (C10-C28)	39.1	25.0		1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	59.4	50.0		1	04/11/23	04/14/23	
Surrogate: n-Nonane		110 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2315044
Chloride	139	20.0		1	04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

NS4 - 4'

		E304047-16					
Reporting							
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	RKS		Batch: 2315028
Benzene	ND	0.0250	1	1	04/11/23	04/14/23	
Ethylbenzene	ND	0.0250	1	1	04/11/23	04/14/23	
Toluene	ND	0.0250	1	1	04/11/23	04/14/23	
o-Xylene	ND	0.0250	1	1	04/11/23	04/14/23	
p,m-Xylene	ND	0.0500	1	1	04/11/23	04/14/23	
Total Xylenes	ND	0.0250	1	1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		98.5 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		99.8 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: I	RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		98.5 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		99.8 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	L		Batch: 2315054
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/11/23	04/14/23	
Surrogate: n-Nonane		111 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	RAS		Batch: 2315044

20.0

04/11/23

04/12/23

ND



Chloride

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NSW1-

		E304047-17					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Benzene	ND	0.0250	1		04/11/23	04/14/23	
Ethylbenzene	ND	0.0250	1		04/11/23	04/14/23	
Toluene	ND	0.0250	1		04/11/23	04/14/23	
o-Xylene	ND	0.0250	1		04/11/23	04/14/23	
p,m-Xylene	ND	0.0500	1	l	04/11/23	04/14/23	
Total Xylenes	ND	0.0250	1		04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		99.7 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		98.3 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		99.7 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	-	Analyst: .	JL		Batch: 2315054
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	ļ	04/11/23	04/14/23	
Surrogate: n-Nonane		110 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2315044
Chloride	ND	20.0	1		04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NSW2-

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: RI	KS		Batch: 2315028
Benzene	ND	0.0250	1		04/11/23	04/14/23	
Ethylbenzene	ND	0.0250	1		04/11/23	04/14/23	
Toluene	ND	0.0250	1		04/11/23	04/14/23	
o-Xylene	ND	0.0250	1		04/11/23	04/14/23	
p,m-Xylene	ND	0.0500	1		04/11/23	04/14/23	
Total Xylenes	ND	0.0250	1		04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		96.7 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		99.5 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: RI	KS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		96.7 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		99.5 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2315054
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1		04/11/23	04/14/23	
Surrogate: n-Nonane		112 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: R	AS		Batch: 2315044
Allions by ETA 500.0/7050A							



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NSW3-

		E304047-19					
		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Benzene	ND	0.0250	1	1	04/11/23	04/14/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/14/23	
Toluene	ND	0.0250		1	04/11/23	04/14/23	
o-Xylene	ND	0.0250		1	04/11/23	04/14/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/14/23	
Total Xylenes	ND	0.0250	1	1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		97.6 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		97.6 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315054
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/14/23	
Surrogate: n-Nonane		110 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	RAS		Batch: 2315044
Chloride	ND	20.0		1	04/11/23	04/13/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NSW4-E304047-20

		2001011 20					
Analyte	Result	Reporting Limit	Dil	lution	Prepared	Analyzed	Notes
	mg/kg		Di	Analyst		7 Hairy 200	Batch: 2315028
Volatile Organic Compounds by EPA 8260B		mg/kg		1	04/11/23	04/14/23	Datcii: 2313028
Benzene	ND	0.0250		1	04/11/23	04/14/23	
Ethylbenzene	ND	0.0250		1			
Toluene	ND	0.0250		1	04/11/23	04/14/23	
o-Xylene	ND	0.0250		1	04/11/23	04/14/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/14/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		95.5 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		100 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		95.5 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		99.0 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		100 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: ЛL		Batch: 2315054
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/14/23	
Surrogate: n-Nonane		109 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: RAS		Batch: 2315044
Chloride	ND	20.0		1	04/11/23	04/13/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### SSW5

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: I	Y		Batch: 2315031
Benzene	ND	0.0250	1		04/11/23	04/13/23	
Ethylbenzene	ND	0.0250	1		04/11/23	04/13/23	
Toluene	ND	0.0250	1		04/11/23	04/13/23	
o-Xylene	ND	0.0250	1	l	04/11/23	04/13/23	
p,m-Xylene	ND	0.0500	1		04/11/23	04/13/23	
Total Xylenes	ND	0.0250	1		04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		93.9 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	-	Analyst: I	Y		Batch: 2315031
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		93.9 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: J	ıL		Batch: 2315055
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1		04/11/23	04/14/23	
Surrogate: n-Nonane		111 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: I	ВА		Batch: 2315042



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### SSW6

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY	7		Batch: 2315031
Benzene	ND	0.0250	1		04/11/23	04/13/23	
Ethylbenzene	ND	0.0250	1		04/11/23	04/13/23	
Toluene	ND	0.0250	1		04/11/23	04/13/23	
o-Xylene	ND	0.0250	1		04/11/23	04/13/23	
p,m-Xylene	ND	0.0500	1		04/11/23	04/13/23	
Total Xylenes	ND	0.0250	1		04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		92.5 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	7		Batch: 2315031
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/11/23	04/13/23	
Surrogate: Bromofluorobenzene		92.5 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		04/11/23	04/13/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2315055
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1		04/11/23	04/14/23	
Surrogate: n-Nonane		114 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: B	Α		Batch: 2315042



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### SSW7

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315031
Benzene	ND	0.0250	1		04/11/23	04/14/23	
Ethylbenzene	ND	0.0250	1		04/11/23	04/14/23	
Toluene	ND	0.0250	1		04/11/23	04/14/23	
o-Xylene	ND	0.0250	1		04/11/23	04/14/23	
p,m-Xylene	ND	0.0500	1		04/11/23	04/14/23	
Total Xylenes	ND	0.0250	1		04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		114 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315031
Gasoline Range Organics (C6-C10)	ND	20.0	1	l	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		105 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		114 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2315055
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	Į.	04/11/23	04/14/23	
Surrogate: n-Nonane		115 %	50-200	·	04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315042



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### SSW8

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315031
Benzene	ND	0.0250	1	l	04/11/23	04/14/23	
Ethylbenzene	ND	0.0250	1	l	04/11/23	04/14/23	
Toluene	ND	0.0250	1	l	04/11/23	04/14/23	
o-Xylene	ND	0.0250	1	l	04/11/23	04/14/23	
p,m-Xylene	ND	0.0500	1	l	04/11/23	04/14/23	
Total Xylenes	ND	0.0250	1	1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene	·	94.6 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		103 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315031
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		94.6 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		103 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst: .	JL		Batch: 2315055
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/11/23	04/14/23	_
Oil Range Organics (C28-C36)	ND	50.0	1	[	04/11/23	04/14/23	
Surrogate: n-Nonane		112 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315042
						04/12/23	



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NSW5

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315031
Benzene	ND	0.0250	1	1	04/11/23	04/14/23	
Ethylbenzene	ND	0.0250	1	1	04/11/23	04/14/23	
Toluene	ND	0.0250	1	1	04/11/23	04/14/23	
o-Xylene	ND	0.0250	1	1	04/11/23	04/14/23	
p,m-Xylene	ND	0.0500	1	1	04/11/23	04/14/23	
Total Xylenes	ND	0.0250	1	1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		92.3 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315031
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		92.3 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315055
Diesel Range Organics (C10-C28)	ND	25.0	1	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	1	04/11/23	04/14/23	
Surrogate: n-Nonane		112 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315042
	ND	20.0	1		04/11/23	04/12/23	<u> </u>



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NSW6

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2315031
Benzene	ND	0.0250		1	04/11/23	04/14/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/14/23	
Toluene	ND	0.0250		1	04/11/23	04/14/23	
o-Xylene	ND	0.0250		1	04/11/23	04/14/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/14/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		94.7 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		103 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: IY		Batch: 2315031
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		94.7 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		103 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: JL		Batch: 2315055
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/14/23	
Surrogate: n-Nonane		114 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: BA			Batch: 2315042
	ND	20.0		1	04/11/23	04/12/23	

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

### NSW7

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY	7		Batch: 2315031
Benzene	ND	0.0250	1		04/11/23	04/14/23	
Ethylbenzene	ND	0.0250	1		04/11/23	04/14/23	
Toluene	ND	0.0250	1		04/11/23	04/14/23	
o-Xylene	ND	0.0250	1		04/11/23	04/14/23	
p,m-Xylene	ND	0.0500	1		04/11/23	04/14/23	
Total Xylenes	ND	0.0250	1		04/11/23	04/14/23	
Surrogate: Bromofluorobenzene	·	94.6 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		78.6 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		111 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY	?		Batch: 2315031
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		94.6 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		78.6 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		111 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL	_		Batch: 2315055
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1		04/11/23	04/14/23	
Surrogate: n-Nonane		113 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: B	A		Batch: 2315042



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### NSW8

#### E304047-28

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2315031
Benzene	ND	0.0250		1	04/11/23	04/14/23	
Ethylbenzene	ND	0.0250		1	04/11/23	04/14/23	
Toluene	ND	0.0250		1	04/11/23	04/14/23	
o-Xylene	ND	0.0250		1	04/11/23	04/14/23	
p,m-Xylene	ND	0.0500		1	04/11/23	04/14/23	
Total Xylenes	ND	0.0250		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		83.5 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2315031
Gasoline Range Organics (C6-C10)	ND	20.0		1	04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		83.5 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		102 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	JL		Batch: 2315055
Diesel Range Organics (C10-C28)	ND	25.0		1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0		1	04/11/23	04/14/23	
Surrogate: n-Nonane		114 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	BA		Batch: 2315042
Chloride	ND	20.0		1	04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

#### BG1

#### E304047-29

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2315031
Benzene	ND	0.0250	1		04/11/23	04/14/23	
Ethylbenzene	ND	0.0250	1		04/11/23	04/14/23	
Toluene	ND	0.0250	1		04/11/23	04/14/23	
o-Xylene	ND	0.0250	1		04/11/23	04/14/23	
p,m-Xylene	ND	0.0500	1		04/11/23	04/14/23	
Total Xylenes	ND	0.0250	1		04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		92.4 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: IY			Batch: 2315031
Gasoline Range Organics (C6-C10)	ND	20.0	1		04/11/23	04/14/23	
Surrogate: Bromofluorobenzene		92.4 %	70-130		04/11/23	04/14/23	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130		04/11/23	04/14/23	
Surrogate: Toluene-d8		101 %	70-130		04/11/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: JL			Batch: 2315055
Diesel Range Organics (C10-C28)	ND	25.0	1		04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1		04/11/23	04/14/23	
Surrogate: n-Nonane		111 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: BA			Batch: 2315042



### **QC Summary Data**

Cobber 21-33 6H 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 2:09:18PM **Volatile Organic Compounds by EPA 8260B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2315028-BLK1) Prepared: 04/11/23 Analyzed: 04/13/23 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 0.480 0.500 96.0 70-130 Surrogate: 1,2-Dichloroethane-d4 0.498 0.500 99.6 70-130 0.500 102 70-130 Surrogate: Toluene-d8 0.510 LCS (2315028-BS1) Prepared: 04/11/23 Analyzed: 04/13/23 2.46 0.0250 2.50 98.6 70-130 Benzene 2.50 94.7 70-130 2.37 Ethylbenzene 0.0250 2.41 0.0250 2.50 96.5 70-130 2.42 70-130 0.0250 2.50 96.8 o-Xylene 4.80 5.00 95.9 70-130 p,m-Xylene 0.0500 7.22 0.0250 7.50 96.2 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.485 0.500 96.9 70-130 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 0.504 70-130 Surrogate: Toluene-d8 0.500 0.511 Matrix Spike (2315028-MS1) Source: E304047-02 Prepared: 04/11/23 Analyzed: 04/13/23 2.39 0.0250 2.50 ND 95.8 48-131 45-135 Ethylbenzene 2.28 0.0250 2.50 ND 91.1 ND 92.5 48-130 Toluene 2.31 0.0250 2.50 2.34 0.0250 2.50 ND 93.7 43-135 o-Xylene 4.61 5.00 ND 92.3 43-135 p,m-Xylene 0.0500 Total Xylenes 6.96 0.0250 7.50 ND 92.8 43-135 Surrogate: Bromofluorobenzene 0.483 0.500 96.5 70-130 0.522 0.500 104 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.501 Surrogate: Toluene-d8 Matrix Spike Dup (2315028-MSD1) Source: E304047-02 Prepared: 04/11/23 Analyzed: 04/13/23 2.47 0.0250 2.50 ND 98.6 48-131 2.96 23 2.36 0.0250 2.50 ND 94.2 45-135 3.43 27 Ethylbenzene ND 95.6 48-130 3.32 24 2.39 2.50 Toluene 0.0250 o-Xylene 2.54 0.0250 2.50 ND 102 43-135 8.11 27

5.00

7.50

0.500

0.500

0.500

0.0500

0.0250

ND

ND

99.7

100

103

99.0

102

43-135

43-135

70-130

70-130

70-130

7.71

7.84



27

27

p,m-Xylene

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

4.98

7.52

0.515

0.495

0.511

### **QC Summary Data**

Cobber 21-33 6H Pima Environmental Services-Carlsbad Project Name: Reported: Project Number: PO Box 247 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 4/17/2023 2:09:18PM **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 (2315031-BLK1) Prepared: 04/11/23 Analyzed: 04/13/23 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 0.470 0.500 93.9 70-130 Surrogate: 1,2-Dichloroethane-d4 0.429 0.500 85.8 70-130 0.500 102 70-130 Surrogate: Toluene-d8 0.509 LCS (2315031-BS1) Prepared: 04/11/23 Analyzed: 04/13/23 2.26 0.0250 2.50 90.4 70-130 Benzene 2.24 2.50 89.8 70-130 Ethylbenzene 0.0250 2.23 0.0250 2.50 89.3 70-130 70-130 2.26 0.0250 2.50 90.3 o-Xylene 4.46 5.00 89.1 70-130 p,m-Xylene 0.0500 6.71 0.0250 7.50 89.5 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.515 0.500 103 70-130 0.500 99.3 70-130 Surrogate: 1,2-Dichloroethane-d4 0.497 70-130 Surrogate: Toluene-d8 0.508 0.500 Matrix Spike (2315031-MS1) Source: E304045-24 Prepared: 04/11/23 Analyzed: 04/13/23 2.32 0.0250 2.50 ND 92.9 48-131 45-135 Ethylbenzene 2.31 0.0250 2.50 ND 92.3 48-130 Toluene 2.29 0.0250 2.50 ND 91.8 2.33 0.0250 2.50 ND 93.1 43-135 o-Xylene 4.58 5.00 ND 91.6 43-135 p,m-Xylene 0.0500 Total Xylenes 6.91 0.0250 7.50 ND 92.1 43-135 0.510 0.500 102 70-130 Surrogate: Bromofluorobenzene 0.477 0.500 95.3 70-130 Surrogate: 1,2-Dichloroethane-d4 0.500 70-130 0.505 Surrogate: Toluene-d8 Matrix Spike Dup (2315031-MSD1) Source: E304045-24 Prepared: 04/11/23 Analyzed: 04/13/23 2.17 0.0250 2.50 ND 86.6 48-131 7.04 23 2.13 0.0250 2.50 ND 85.3 45-135 7.90 27 Ethylbenzene ND 84.5 48-130 8.24 24 2.11 2.50 Toluene 0.0250 o-Xylene 2.13 0.0250 2.50 ND 85.2 43-135 8.81 27 5.00 ND 84.2 43-135 8.41 27 4.21 0.0500 p,m-Xylene



27

Total Xylenes

Surrogate: Toluene-d8

Surrogate: Bromofluorobenzene

Surrogate: 1,2-Dichloroethane-d4

6.34

0.505

0.501

0.503

0.0250

7.50

0.500

0.500

0.500

ND

84.5

101

100

101

43-135

70-130

70-130

70-130

8.55

Analyte

### **QC Summary Data**

Pima Environmental Services-CarlsbadProject Name:Cobber 21-33 6HReported:PO Box 247Project Number:01058-0007Plains TX, 79355-0247Project Manager:Tom Bynum4/17/20232:09:18PM

Non	halogenated (	Organics I	oy EPA 801	15D - G	RO			Analyst: RKS
	Reporting	Spike	Source		Rec	DDD	RPD	

	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2315028-BLK1)							Prepared: 04	4/11/23 Analy	yzed: 04/13/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.480		0.500		96.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.498		0.500		99.6	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			
LCS (2315028-BS2)							Prepared: 04	4/11/23 Analy	yzed: 04/13/23
Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.8	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		99.0	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			
Matrix Spike (2315028-MS2)				Source:	E304047-	02	Prepared: 04	4/11/23 Analy	yzed: 04/13/23
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.3	70-130			
Surrogate: Bromofluorobenzene	0.511		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.502		0.500		100	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
Matrix Spike Dup (2315028-MSD2)				Source:	E304047-	02	Prepared: 04	4/11/23 Analy	yzed: 04/13/23
Gasoline Range Organics (C6-C10)	45.9	20.0	50.0	ND	91.7	70-130	0.447	20	
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			



Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

### **QC Summary Data**

Cobber 21-33 6H 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 2:09:18PM

	Non		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
Blank (2315031-BLK1)						I	Prepared: 0	4/11/23 Anal	yzed: 04/13/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.470		0.500		93.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.429		0.500		85.8	70-130			
Surrogate: Toluene-d8	0.509		0.500		102	70-130			
LCS (2315031-BS2)						I	Prepared: 0	4/11/23 Anal	yzed: 04/13/23
Gasoline Range Organics (C6-C10)	45.4	20.0	50.0		90.8	70-130			
Surrogate: Bromofluorobenzene	0.495		0.500		98.9	70-130			

Matrix Spike (2315031-MS2)	Source:	E304045-2	24	Prepared: 04/11/23 Analyzed: 04/13/23			
Gasoline Range Organics (C6-C10)	40.9	20.0	50.0	ND	81.7	70-130	
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130	
Surrogate: 1,2-Dichloroethane-d4	0.508		0.500		102	70-130	
Surrogate: Toluene_d8	0.512		0.500		102	70-130	

0.500

0.500

0.482

0.504

96.4

101

70-130

70-130

Matrix Spike Dup (2315031-MSD2)		Source:	E304045-2	24 Prepared: 04/11/23 Analyzed: 04/13				
Gasoline Range Organics (C6-C10)	43.3	20.0	50.0	ND	86.6	70-130	5.84	20
Surrogate: Bromofluorobenzene	0.498		0.500		99.6	70-130		
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130		
Surrogate: Toluene-d8	0.512		0.500		102	70-130		

### **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

Plains TX, 79355-0247		Project Manager	r: To	m Bynum				2	4/17/2023 2:09:18PN
	Nonhal	logenated Or	ganics by	EPA 8015I	D - DRO	/ORO			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 (2315054-BLK1)							Prepared: 0	4/11/23 An	alyzed: 04/13/23
riesel Range Organics (C10-C28)	ND	25.0							
til Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	55.9		50.0		112	50-200			
.CS (2315054-BS1)							Prepared: 0	4/11/23 An	alyzed: 04/13/23
riesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
urrogate: n-Nonane	54.1		50.0		108	50-200			
Aatrix Spike (2315054-MS1)				Source:	E304047-	07	Prepared: 0	4/11/23 An	alyzed: 04/13/23
riesel Range Organics (C10-C28)	299	25.0	250	39.4	104	38-132			
urrogate: n-Nonane	54.8		50.0		110	50-200			
Matrix Spike Dup (2315054-MSD1)				Source:	E304047-	07	Prepared: 0	4/11/23 An	alyzed: 04/13/23
tiesel Range Organics (C10-C28)	297	25.0	250	39.4	103	38-132	0.674	20	
urrogate: n-Nonane	53.8		50.0		108	50-200			



# **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				4.	17/2023 2:09:18PN
	Nonha	logenated Or	ganics by	EPA 8015I	) - DRO	/ORO			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 (2315055-BLK1)							Prepared: 0	4/11/23 Ana	llyzed: 04/14/23
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.6		50.0		111	50-200			
LCS (2315055-BS1)							Prepared: 0	4/11/23 Ana	lyzed: 04/14/23
Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			
Matrix Spike (2315055-MS1)				Source:	E304047-	21	Prepared: 0	4/11/23 Ana	lyzed: 04/14/23
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132			
Surrogate: n-Nonane	55.3		50.0		111	50-200			
Matrix Spike Dup (2315055-MSD1)				Source:	E304047-	21	Prepared: 0	4/11/23 Ana	lyzed: 04/14/23
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	0.912	20	
Surrogate: n-Nonane	54.9		50.0		110	50-200			

Chloride

### **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247	Project Name: Project Number:	Cobber 21-33 6H 01058-0007	Reported:			
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 2:09:18PM			
Anions by FPA 300 0/9056A						

Anions by EPA 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 (2315042-BLK1)							Prepared: 0	4/11/23 Analy	yzed: 04/12/23
Chloride	ND	20.0							
LCS (2315042-BS1)							Prepared: 0	4/11/23 Analy	yzed: 04/12/23
Chloride	246	20.0	250		98.4	90-110			
Matrix Spike (2315042-MS1)				Source:	E304045-	21	Prepared: 0	4/11/23 Analy	yzed: 04/12/23
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2315042-MSD1)				Source:	E304045-	21	Prepared: 0	4/11/23 Analy	yzed: 04/12/23

250

80-120

0.370

20.0



### **QC Summary Data**

Pima Environmental Services-Carlsbad	1	Project Name: Project Number:		Cobber 21-33 6F 1058-0007	I				Reported:
Plains TX, 79355-0247		Project Manager:		om Bynum					4/17/2023 2:09:18PM
		Anions	by EPA	300.0/9056A					Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD %	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	70	70		%	
Blank (2315044-BLK1)							Prepared: 0	4/11/23	Analyzed: 04/12/23
Chloride	ND	20.0							
LCS (2315044-BS1)							Prepared: 0	4/11/23	Analyzed: 04/12/23
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2315044-MS1)				Source: 1	E304047-0	)1	Prepared: 0	4/11/23	Analyzed: 04/12/23
Chloride	1430	20.0	250	1250	74.3	80-120			M2
Matrix Spike Dup (2315044-MSD1)				Source: 1	E304047-0	)1	Prepared: 0	4/11/23	Analyzed: 04/12/23
Chloride	1500	20.0	250	1250	103	80-120	4.89	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 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/17/23 14:09

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.



Ch	ain	of	Custod

	7	,	1
Page	1	_ of _	

East: Dimo Environmental Sonvice	e Bill To				Lab	Use	Only	1	1		TA			EPA P	rogram
ient: Pima Environmental Service roject: Cobber 21-33 Of	Attention: DEVON		Lab V	VO#		J	ob N	umber	1D	2D	3D	Stand		CWA	SDW
roject Manager: Tom Bynum	Address:		E3	040	TP			SCOOT	1			×	-		RCR/
ddress: 5614 N. Lovington Hwy.	City, State, Zip Phone:		-			A	nalys	is and Metho	a T						, itch
ity, State, Zīp Hobbs, NM, 88240 hone: 580-748-1613	Email:		57	53					1					State	
mail: tom@pimaoil.com		1	y 8015	y 801	21	0		0.0	NN				м со	UT AZ	TX
eport due by:	Pima Project # 287		RO b	RO b	y 8021	y 826	\$ 601	de 30		×		Σ		بر الب	
Time Date Matrix No. of Containers	Sample ID	Lab Number	DRO/ORO by	GRO/DRO by 8015	втех by	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	BGDOC				Remarks	
3:00 4/23 5 1	NS1-1'	1							X						1000
7:05	NSI-2'	2							1						
1:10	NS1-3!	3													
8:15	NS1-4	Ч													
8120	1152-1	5								>				-	
8:25	NS7-21	6													
8:30	N57-31														
8:35	NS2-4	8	7												
8:40	1/53-11	9													
8:45	NS3-21	10							V						
Additional Instructions:	Bill to Dev	an For	PTO	KI:	2	119	16	774							
(field sampler), attest to the validity and authentic	ity of this sample. I am aware that tampering with or intentionally mis	labelling the sampl	e lotorito	M.			Sample	requiring therma in ice at an avg ter	l preserv np abovi	ration m e 0 but l	ust be re ess than	eceived on 16°C on su	ice the day bsequent da	they are sam nys.	pled or rec
delinquished by (Signature)  Date	Time Received by: (Signature)	Date 4-10		Timo	40		Rece	ived on ice:		Lab U	Ise O	nly			
telinquished by: (Signature) Date	Time Received by: (Signature)	Date		Time_	30		T1:		<u>T2</u>		· · · · ·	į į	3.	43	7 - 1
Relinquished by: (Signature)  Relinquished by: (Signature)  Date		11/11	23	18 Time	30 :		T1:		<u>T2</u>		9 - 1. F.A	<u> </u>	3.		\$ 1 -



Project	Information
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Chain of Custody

Page 4 of 5 Received

Cliente Dimo Equipopmental Congres	Rill To			La	b Us	e Onl	/				TAT	ſ	EPA P	rogram
Client: Pima Environmental Services Project: Cobber 21-33 GH	Attention: Devon	12	b WO#	ŧ		Job N	umber		D 2	D	3D	Standard	CWA	SDWA
Project Man ager: Tom Bynum	Address:	F	304	740	1	MA	-800					X		
Address: 56 14 N. Lovington Hwy.	City, State, Zip	-lac-	~			Analys	is and Me	thod						RCRA
City, State, Zip Hobbs, NM, 88240	Phone:		$\neg$			ΓÍ			-					
	Email:	- "	0 10	1 1						- 1			State	
Phone: 580-748-1613		- 08	801				0		-			NM (	CO UT AZ	Z TX
Email: tom@pimaoil.com	Pima Project # 287	34	y y	3023	260	010	300		NM	25		X		
Report due by:	,	i a	DRO OR	by 8	by 8	ls 6	ide		8	20			Danande	
Time Date Matrix No. of Containers Sample ID	Nun	1.	GRO/DRO by 8015	втех by 8023	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC			Remark	5
8:50 47/23 S 1 NS3 -	3'	1							X					
8:55 1 1 NS3-	y'	2							1					
	1	3							1					
9:00 NS4-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C 1 10 10 10 10 10 10 10 10 10 10 10 10 1	_							-		_		
9:05 N54-	2	4							1					
9:10 NS4-	3.	5												<sub>7</sub> 4
9:15 NS4-1	1	0												——————————————————————————————————————
9-20 NSW/	_	7												Page 4
		74.10-												Ъ
9:25 NSW2		8							H					
9:30 NSW3	<u>-</u>	9							$\downarrow \downarrow$					
9:25   NSW2 9:30   NSW3 9:35   V NSW4	- 2	0							V					
Additional Instructions:	Bill to Deuc I am aware that tampering with or intentionally mislabelling the	an s	Ene	TON	1/:	21	1410	77	74	/				
L (field sampler) attest to the validity and authenticity of this sample.	I am aware that tampering with or intentionally mislabelling the	sample loc	cation,	00	7	Sample	s requiring the	ermal pre	eservati	ion mu	ust be rec	ceived on ice th	e day they are sa	npled or received
I, (field sampler), attest to the validity and authenticity of this sample.  date or time of collection is considered fraud and may be grounds for I	egal action. Sampled by: Ambels	mon	CB			packed	in ice at an av	g temp a	bove 0	but le	ess than b	6 °C on subsequ	ent days.	
Relinquished by (signature)  Date 4-10-33	Received by: (Signature)  Audulu (Link H	10-2	3 Time	64	0	Rece	ived on i	ce:	Ta	Y N	se On I	ıly		
Relinquished by: (Signature) Date Time	Received by: (Signature)  Received by: (Signature)  Date  T	10-2	Time	830		74				,		T3	r e se As	
		10-6	Time			11.	10 1 10 1	100	12		7			
Relinquished by: (Signature)  Date  4-(1-23)  2	45 000000 14.	11.23	3/7	1:15		AVG	Temp °C	).	4		1,1		The same of the same	
marie de la constante de la co	Con	tainer Ty	vne g	glass,	p-p	olv/pl	astic. ag -	ambei	r glas	s, v ·	- VOA			
Note: Samples are discarded 30 days after results are reported	unless other arrangements are made. Hazardous sample	es will be	returne	d to cli	ient o	r dispo	sed of at th	ne clien	t expe	ense.	. The r	report for th	e analysis of t	he above
samples is applicable only to those samples received by the lab	oratory with this COC. The liability of the laboratory is lim	ited to th	he amou	ınt paic	for	on the r	report.				12.0		***	



ent: Pim	o Envir	ronmoni	al Sonio	200	O Bill To				La	b Us	e On	ly			TAT			rogram
oject: C	Short	21-3	33 61	4	Attention: Devon			WO#			Job I	Vumber	1D	2D	3D S	Standard	CWA	SDWA
oject Mar	ager:	Tom By	num		Address:		F3	240	24-	7	010	sis and Metho	#			×		RCRA
Idress: 50					City, State, Zip Phone:		-				Anaiy	sis and ivieuro	T		11			
ty, State, none: 58			JI. 8824U		Email:		1.5	15	δÜ								State	1
nail: tor			n				oy 80:	ok 80.	21	0.0	0	0.00	NM	-		NM CO	UT AZ	TX
port due					Pima Project # 287	1 - 223,00	JRO E	JRO t	ος λο	y 826	s 601	de 30		X		X		
Time ampled S	Date ampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0	Верос	RGDOC			Remark	S
1:204	12/23	S	1	SSWS	5	21							X					
:25	1	1	(	SSWS	7	22							11					
230				SSW	7	23							$\parallel$					
1:35				SSW8		24	,						1				1111111	
1:40				NSW5		25							$\perp$					
1:45				NSWG		26												
1:50				NSW7		27											4//	
:55		1		NSW8		28							0					
7:00	V	×	F	BGI		29							1	1				
dditional	Instruc	tions:			m aware that tampering with or intentionally all action.  Sampled by:  Received by: (Signature)	Won En	er	gy	:	21	140	6774	,				atherines ex	anlad or race
(field sampler	r), attest to	the validity	and authen	ticity of this sample. It	m aware that tampering with or intentionally rails action.  Sampled by:	mislabelling the sample	e locati PC	9			Sampl	les requiring therma d in ice at an avg ter	mp abov	ve 0 b	ut less than 6°	C on subsequent	days.	·
elinquished	by Isign	fure)	Date	1.10-23 Time	Received by: (Signature)	Date 4-10	23	Time	64	10		eived on ice:	(	Tab Y)	Use Only N	/		-1
elinquished		etare)	Date	Time	Received by: (Signature)	Date 4- (0.		Time		Q	T1:		<u>T2</u>	<u>)</u>	4.05.4	<u>T3.</u>		y 1
elinguished		eture)	Date		Received by: (Signature)	1 Date 4.11	20	Time	1:19	_		a Temp °C	11		V 1 2	1.1	200	1, 2

or on the report.

Purple of the control of 192

Page 88 of 192 Printed: 4/11/2023 1:25:35PM

### **Envirotech Analytical Laboratory**

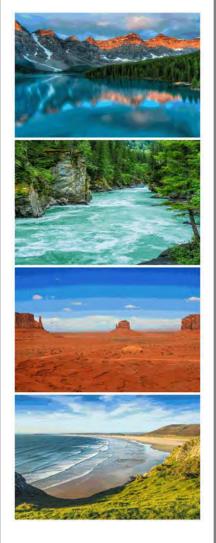
Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

we receive	no response concerning these items within 24 hours of t	ne date of this notic	ce, all the sa	impies will be ana	nyzea as requestea.	
Client:	Pima Environmental Services-Carlsbad	Date Received:	04/11/23 07	7:15	Work Order ID: E304047	
Phone:	(575) 631-6977	Date Logged In:	04/11/23 08	8:56	Logged In By: Caitlin Christian	
Email:	tom@pimaoil.com	Due Date:	04/17/23 1	7:00 (4 day TAT)	· ·	
Chain of	Custody (COC)					
	he sample ID match the COC?		Yes			
	he number of samples per sampling site location mat	ch the COC	Yes			
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	'ourier	
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes		<u> </u>	
	Ill samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	the field,	Yes		Comments/Resolution	
Sample '	Furn Around Time (TAT)	л.		[		
	e COC indicate standard TAT, or Expedited TAT?		Yes		Project (Cobber 21-33 6H) has been	
Sample (	· •		105		separated into mulitple WO due to high	
	sample cooler received?		Yes			
	was cooler received in good condition?		Yes		sample volume. Workorders are as	
-	e sample(s) received intact, i.e., not broken?				follows:E304046 (COC pg 1 & 2 of 5)	
	custody/security seals present?		Yes		,E304047 (COC pg 3,4,5 of 5). COC was	
	• •		No		received with white out used by client	
•	, were custody/security seals intact?		NA		•	
	ne sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling	e received w/i 15	Yes			
	visible ice, record the temperature. Actual sample	temperature: 4°C	<u>C</u>			
	Container 1					
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	a trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers?		Yes			
	appropriate volume/weight or number of sample contain	ers collected?	Yes			
Field La		.•				
	field sample labels filled out with the minimum info ample ID?	rmation:	Yes			
	Pate/Time Collected?		Yes	Į		
	Collectors name?		Yes			
Sample 1	Preservation_					
21. Does	the COC or field labels indicate the samples were pr	eserved?	No			
22. Are s	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved m	etals?	No			
Multiph	ase Sample Matrix					
	the sample have more than one phase, i.e., multiphase	se?	No			
	, does the COC specify which phase(s) is to be analy		NA			
-			1112			
	ract Laboratory amples required to get sent to a subcontract laborator		No			
	ampies required to get sent to a subcontract laboratory specified by the client and if	•	No NA	Subcontract Lab	o: NA	
<u>Cli</u> ent I	nstruction					

Date

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 6H

Work Order: E304046

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 6H

Workorder: E304046

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 6H.

The analytical test results summarized in this report with the Project Name: Cobber 21-33 6H 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

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Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Rayny Hagan

Technical Representative

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### Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	Reported:
PO Box 247	Project Number:	01058-0007	Keporteu:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/17/23 13:17

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS1 - 1'	E304046-01A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS1 - 2'	E304046-02A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS1 - 3'	E304046-03A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS1 - 4'	E304046-04A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS2 - 1'	E304046-05A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS2 - 2'	E304046-06A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS2 - 3'	E304046-07A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS2 - 4'	E304046-08A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS3 - 1'	E304046-09A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS3 - 2'	E304046-10A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS3 - 3'	E304046-11A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS3 - 4'	E304046-12A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS4 - 1'	E304046-13A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS4 - 2'	E304046-14A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS4 - 3'	E304046-15A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SS4 - 4'	E304046-16A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SSW1	E304046-17A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SSW2	E304046-18A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SSW3	E304046-19A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.
SSW4	E304046-20A	Soil	04/07/23	04/11/23	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

#### SS1 - 1' E304046-01

		E304046-01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
o,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	48.4	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		95.7 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2315043
Chloride	574	20.0	1	04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS1 - 2'

	Reporting				
Result	Limit	Dilutio	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	alyst: IY		Batch: 2315027
ND	0.0250	1	04/12/23	04/13/23	
ND	0.0250	1	04/12/23	04/13/23	
ND	0.0250	1	04/12/23	04/13/23	
ND	0.0250	1	04/12/23	04/13/23	
ND	0.0500	1	04/12/23	04/13/23	
ND	0.0250	1	04/12/23	04/13/23	
	97.5 %	70-130	04/12/23	04/13/23	
mg/kg	mg/kg	An	alyst: IY		Batch: 2315027
ND	20.0	1	04/12/23	04/13/23	
	92.5 %	70-130	04/12/23	04/13/23	
mg/kg	mg/kg	An	alyst: JL		Batch: 2315053
34.9	25.0	1	04/11/23	04/13/23	
ND	50.0	1	04/11/23	04/13/23	
	99.7 %	50-200	04/11/23	04/13/23	
mg/kg	mg/kg	An	alyst: RAS		Batch: 2315043
138	20.0	1	04/11/23	04/12/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg 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           MD         0.0250           MD         20.0250           mg/kg         mg/kg           MD         20.0           92.5 %         mg/kg           mg/kg         mg/kg           ND         50.0           99.7 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         An           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           97.5 %         70-130           mg/kg         mg/kg         An           ND         20.0         1           92.5 %         70-130         1           mg/kg         mg/kg         An           ND         50.0         1           99.7 %         50-200           mg/kg         Mg/kg         An	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         04/12/23           ND         0.0250         1         04/12/23           ND         0.0250         1         04/12/23           ND         0.0500         1         04/12/23           ND         0.0250         1         04/12/23           ND         0.0250         1         04/12/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         04/12/23           mg/kg         mg/kg         Analyst: JL           34.9         25.0         1         04/11/23           ND         50.0         1         04/11/23           ND         50.0         1         04/11/23           mg/kg         mg/kg         Analyst: JL	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         04/12/23         04/13/23           ND         0.0250         1         04/12/23         04/13/23           ND         0.0250         1         04/12/23         04/13/23           ND         0.0500         1         04/12/23         04/13/23           ND         0.0500         1         04/12/23         04/13/23           ND         0.0250         1         04/12/23         04/13/23           97.5 %         70-130         04/12/23         04/13/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         04/12/23         04/13/23           mg/kg         mg/kg         Analyst: IY         04/12/23         04/13/23           Mg/kg         mg/kg         Analyst: IY         04/12/23         04/13/23           mg/kg         mg/kg         Analyst: JL         04/13/23         04/13/23           MD         50.0         1         04/11/23         04/13/23           MD         50.0         1         04/11



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS1 - 3'

		200.0.0 00				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	*		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		99.5 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.1 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		94.2 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2315043
Chloride	28.6	20.0	1	04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

#### SS1 - 4'

		200.0.00.				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		97.7 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.7 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		97.0 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS2 - 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		96.7 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.2 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	48.8	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		93.9 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2315043



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS2 - 2'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		95.9 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	32.2	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	55.2	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		99.5 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2315043
Chloride	120	20.0	1	04/11/23	04/12/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS2 - 3'

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		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		99.4 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: RAS		Batch: 2315043
Chloride	31.7	20.0	1	04/11/23	04/13/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS2 - 4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		97.5 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		96.7 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2315043
	ND	20.0		04/11/23	04/13/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS3 - 1'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		94.6 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	45.8	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		94.3 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2315043
Chloride	1400	20.0	1	04/11/23	04/13/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS3 - 2'

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		96.2 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	31.9	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		99.8 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2315043
Chloride	130	20.0	1	04/11/23	04/13/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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SS3 - 3'

		200101011				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allalyte		Lillit		•	Allalyzed	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.0 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		101 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2315043
Chloride	34.0	20.0	1	04/11/23	04/13/23	·



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS3 - 4'

		200.0.012				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
	mg/kg	mg/kg	Analy	*	7 Hary 200	Batch: 2315027
Volatile Organics by EPA 8021B			2 thaty		0.4/1.2/22	Batcii. 2313027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		96.3 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.2 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
Surrogate: n-Nonane		97.9 %	50-200	04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/13/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS4 - 1'

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		94.2 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	alyst: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	alyst: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	36.8	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
Surrogate: n-Nonane		94.0 %	50-200	04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	alyst: RAS		Batch: 2315043
Chloride	797	20.0	1	04/11/23	04/13/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS4 - 2'

		200.0.01.				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	*		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		96.9 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2315053	
Diesel Range Organics (C10-C28)	42.3	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	58.7	50.0	11	04/11/23	04/14/23	
Surrogate: n-Nonane		103 %	50-200	04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2315043
Chloride	133	20.0	1	04/11/23	04/13/23	



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Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

SS4 - 3'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY			Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/13/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/13/23	
Toluene	ND	0.0250	1	04/12/23	04/13/23	
o-Xylene	ND	0.0250	1	04/12/23	04/13/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/13/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/13/23	
Surrogate: 4-Bromochlorobenzene-PID		99.3 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY			Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/13/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.4 %	70-130	04/12/23	04/13/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: JL		Batch: 2315053	
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
Surrogate: n-Nonane		102 %	50-200	04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS			Batch: 2315043
Chloride	34.0	20.0	1	04/11/23	04/13/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

### SS4 - 4'

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/14/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/14/23	
Toluene	ND	0.0250	1	04/12/23	04/14/23	
o-Xylene	ND	0.0250	1	04/12/23	04/14/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/14/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/14/23	
Surrogate: 4-Bromochlorobenzene-PID		95.1 %	70-130	04/12/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.0 %	70-130	04/12/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
Surrogate: n-Nonane		99.7 %	50-200	04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/13/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

### SSW1

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/14/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/14/23	
Toluene	ND	0.0250	1	04/12/23	04/14/23	
o-Xylene	ND	0.0250	1	04/12/23	04/14/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/14/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/14/23	
Surrogate: 4-Bromochlorobenzene-PID		97.1 %	70-130	04/12/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	04/12/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
Surrogate: n-Nonane		101 %	50-200	04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2315043



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

### SSW2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/14/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/14/23	
Toluene	ND	0.0250	1	04/12/23	04/14/23	
o-Xylene	ND	0.0250	1	04/12/23	04/14/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/14/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/14/23	
Surrogate: 4-Bromochlorobenzene-PID		97.3 %	70-130	04/12/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		95.4 %	70-130	04/12/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
Surrogate: n-Nonane		99.9 %	50-200	04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2315043



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

### SSW3

	D .:				
Result		Dilution	Prepared	Analyzed	Notes
			•	7 mary Zed	Batch: 2315027
		1	<u></u>	04/14/23	Batch. 2313027
		1		* · · · · · <del>- ·</del>	
		1			
		1			
		1			
ND	0.0500	1	04/12/23	04/14/23	
ND	0.0250	1	04/12/23	04/14/23	
	96.5 %	70-130	04/12/23	04/14/23	
mg/kg	mg/kg	Anal	yst: IY		Batch: 2315027
ND	20.0	1	04/12/23	04/14/23	
	92.1 %	70-130	04/12/23	04/14/23	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2315053
ND	25.0	1	04/11/23	04/14/23	_
			0.4/4.4/0.0		
ND	50.0	I	04/11/23	04/14/23	
ND	100 %	50-200	04/11/23	04/14/23	
ND mg/kg					Batch: 2315043
	mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           mg/kg         mg/kg           ND         20.0           92.1 %         mg/kg           mg/kg         mg/kg	Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           92.1 %         70-130           mg/kg         Analy           mg/kg         Analy	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IV           ND         0.0250         1         04/12/23           ND         0.0250         1         04/12/23           ND         0.0250         1         04/12/23           ND         0.0250         1         04/12/23           ND         0.0500         1         04/12/23           ND         0.0250         1         04/12/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         04/12/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         04/12/23           mg/kg         mg/kg         Analyst: IY	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         04/12/23         04/14/23           ND         0.0500         1         04/12/23         04/14/23           ND         0.0250         1         04/12/23         04/14/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         04/12/23         04/14/23           mg/kg         mg/kg         Analyst: IY         04/12/23         04/14/23



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

### SSW4

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2315027
Benzene	ND	0.0250	1	04/12/23	04/14/23	
Ethylbenzene	ND	0.0250	1	04/12/23	04/14/23	
Toluene	ND	0.0250	1	04/12/23	04/14/23	
o-Xylene	ND	0.0250	1	04/12/23	04/14/23	
p,m-Xylene	ND	0.0500	1	04/12/23	04/14/23	
Total Xylenes	ND	0.0250	1	04/12/23	04/14/23	
Surrogate: 4-Bromochlorobenzene-PID		95.7 %	70-130	04/12/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2315027
Gasoline Range Organics (C6-C10)	ND	20.0	1	04/12/23	04/14/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.6 %	70-130	04/12/23	04/14/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2315053
Diesel Range Organics (C10-C28)	ND	25.0	1	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/14/23	
Surrogate: n-Nonane		99.6 %	50-200	04/11/23	04/14/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2315043
	ND	20.0	1	04/11/23	04/13/23	



Cobber 21-33 6H 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 1:17:55PM **Volatile Organics by EPA 8021B** 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 (2315027-BLK1) Prepared: 04/11/23 Analyzed: 04/13/23 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: 4-Bromochlorobenzene-PID 7.64 8.00 95.5 70-130 LCS (2315027-BS1) Prepared: 04/11/23 Analyzed: 04/13/23 4.54 90.8 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.52 0.0250 5.00 90.4 70-130 4.65 0.0250 5.00 92.9 70-130 Toluene 92.2 o-Xylene 4.61 0.0250 5.00 70-130 9.21 10.0 92.1 70-130 0.0500 p.m-Xvlene 92.1 13.8 15.0 70-130 Total Xylenes 0.0250 8.00 95.1 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.61 Source: E304046-03 Matrix Spike (2315027-MS1) Prepared: 04/11/23 Analyzed: 04/13/23 4.58 0.0250 5.00 ND 91.5 54-133 Benzene ND 61-133 Ethylbenzene 4.57 0.0250 5.00 91.4 Toluene 4.69 0.0250 5.00 ND 93.9 61-130 4.67 ND 93.3 63-131 5.00 0.0250 o-Xylene p,m-Xylene 9.29 0.0500 10.0 ND 92.9 63-131 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.95 8.00 Matrix Spike Dup (2315027-MSD1) Source: E304046-03 Prepared: 04/11/23 Analyzed: 04/13/23 3.85 0.0250 5.00 ND 54-133 17.4 ND 61-133 3.83 0.0250 5.00 76.5 17.8 20 Ethylbenzene 61-130 Toluene 3 93 0.0250 5.00 ND 78.7 17.6 20

5.00

10.0

15.0

8.00

0.0250

0.0500

0.0250

ND

ND

ND

78.1

78.1

78.1

101

63-131

63-131

63-131

70-130

17.7

17.3

17.5

20

20

20



o-Xylene

p,m-Xylene

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

3.91

7.81

11.7

8.04

Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	Reported:
PO Box 247	Project Number:	01058-0007	·
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

Plains TX, 79355-0247		Project Manage		m Bynum				4	/17/2023 1:17:55PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2315027-BLK1)							Prepared: 0-	4/11/23 Ana	alyzed: 04/13/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			
LCS (2315027-BS2)							Prepared: 0	4/11/23 Ana	alyzed: 04/13/23
Gasoline Range Organics (C6-C10)	40.7	20.0	50.0		81.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.85		8.00		98.1	70-130			
Matrix Spike (2315027-MS2)				Source:	E304046-	03	Prepared: 0	4/11/23 An	alyzed: 04/13/23
Gasoline Range Organics (C6-C10)	50.7	20.0	50.0	ND	101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.8	70-130			
Matrix Spike Dup (2315027-MSD2)				Source:	E304046-	03	Prepared: 0	4/11/23 An	alyzed: 04/14/23
Gasoline Range Organics (C6-C10)	52.8	20.0	50.0	ND	106	70-130	4.09	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.70		8.00		96.3	70-130			



Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	4/17/2023 1:17:55PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					4/17/2023 1:17:55PM
	Nonha	logenated Or	ganics by l	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 (2315053-BLK1)							Prepared: 0	4/11/23 Ar	nalyzed: 04/13/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	47.3		50.0		94.7	50-200			
LCS (2315053-BS1)							Prepared: 0	4/11/23 Ar	nalyzed: 04/13/23
Diesel Range Organics (C10-C28)	254	25.0	250		102	38-132			
Surrogate: n-Nonane	49.2		50.0		98.4	50-200			
Matrix Spike (2315053-MS1)				Source:	E304046-0	03	Prepared: 0	4/11/23 Ar	nalyzed: 04/13/23
Diesel Range Organics (C10-C28)	265	25.0	250	ND	106	38-132			
Surrogate: n-Nonane	49.0		50.0		97.9	50-200			
Matrix Spike Dup (2315053-MSD1)				Source:	E304046-0	03	Prepared: 0	4/11/23 Ar	nalyzed: 04/13/23
Diesel Range Organics (C10-C28)	274	25.0	250	ND	110	38-132	3.65	20	
Surrogate: n-Nonane	49.7		50.0		99.4	50-200			



Pima Environmental Services-Carlsbac	I	Project Name:		Cobber 21-33 6H	I				Reported:
PO Box 247 Plains TX, 79355-0247		Project Number: Project Manager:		1058-0007 Com Bynum					4/17/2023 1:17:55PM
		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 (2315043-BLK1)							Prepared: 0	4/11/23 <i>A</i>	Analyzed: 04/12/23
Chloride	ND	20.0							
LCS (2315043-BS1)							Prepared: 0	4/11/23 A	Analyzed: 04/12/23
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2315043-MS1)				Source: I	E304046-	01	Prepared: 0	4/11/23 A	Analyzed: 04/12/23
Chloride	991	20.0	250	574	167	80-120			M2
Matrix Spike Dup (2315043-MSD1)				Source: I	E304046-	01	Prepared: 0	4/11/23 A	Analyzed: 04/12/23
Chloride	852	20.0	250	574	111	80-120	15.1	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**

ſ	Pima Environmental Services-Carlsbad	Project Name:	Cobber 21-33 6H	
l	PO Box 247	Project Number:	01058-0007	Reported:
l	Plains TX, 79355-0247	Project Manager:	Tom Bynum	04/17/23 13:17

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.



iont: Dimo Environmental Services	Bill To			-	Lab U.	se On	ily			TA		EPA P	
ient: Pima Environmental Services roject: Cobber 21-33 (64) roject Manager: Tom Bynum	Attention: Devon Address:		Lab W	O#	(0	OlO	Number 5600	A	D 20	3D	Standard	CWA	SDW
ddress: 5614 N. Lovington Hwy.	City, State, Zip					Analy	sis and Me	thod					RCR
ty, State, Zīp Hobbs, NM, 88240 none: 580-748-1613	Phone: Email:		151	2								State	
mail: tom@pimaoil.com	Pima Project # 287		) by 803	2 by 802	260	010	300,0		Z Z	<	NM CO	UT AZ	TX
eport due by: Time Date Matrix No. of Containers Sample		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	81EX by 8021 VOC by 8260	Metals 6010	Chloride		Верос	0000		Remarks	
9:40 47/23 S   53	31-1'	Traine Cr						1	X				
1:45 1 1 1 55	1-2'	2											199)
9:50 55	1-31	3											
2.55 53	1-4	14							$\coprod$				
0:00	2-1',	5							$\parallel$			- 4	
0:05 53	2-2'	0											-
0:10 53	2-3,	17							4			ini.	
0:15	2-4'	8				-			4				
0:20     55	3-1	9				-							
0:25 4 4 55	3-2'	10							V				
dditional Instructions:	sample. I am aware that tampering with or intentionally mislabelliunds for legal action.  Sampled by:  Received by: (Signature)	Van	E	nei	gy		21140	07	74	n must ha r	received on ice the da	v they are sam	noled or i
(field sampler), attest to the validity and authenticity of t	sample. I am aware that tampering with or intentionally mislabelli unds for legal action. Sampled by:	ing the samp	le location	co	00	packs	ed in ice at an av	g temp a	bove 0 b	ut less than	n 6 °C on subsequent	days.	
elinquished by: (Signature)  Date 4-10-7	3 7:00 Received by: (Signature)	Date 4-10-	2)	16	70	Rec	eived on i	ce:	(Y)	Use O / N	only	1.0	
elinquished by: (Signature)  Date  4-10-	Time Received by: (Signature)		-85	(8	30	T1.			T2		<u>T3</u>		
elinquished by: (Signature) Date 4-11-7	Time Received by: (Signature)	U-11.	The state of the s	Time	15	AV	3 Temp°C	l	+				1. 2

or on the report.

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Page 19

lient: Pima Environmental Services	Bill To	1		La	b Use	e Onl	ly			TA			rogram
Project: Cobber 21-33 GH	Attention: Devon	Lab	WO#	QUIT.		Job N	Number	1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum	Address:	E 3	3041	041	0		100-46-						RCRA
Address: 56 14 N. Lovington Hwy.	City, State, Zip Phone:	-	Т		1	Anaiy	sis and Metho	Ju	T				-
hone: 580-748-1613	Email:	- 12	15						1			State	
mail: tom@pimaoil.com		08 Au	y 80.	21	0.	0	0.00	NR				UT AZ	TX
eport due by:	Pima Project # 287	JRO b	ORO b	y 80.	y 826	s 601	de 30		X		X		ساسيا
Time Date Matrix No. of Containers Sample ID	Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	втех by 8021	VOC by 8260	Metals 6010	Chloride 300.0	ВСООС	BGDDC			Remarks	3
0:30 4/7/23 5 1 553 - 3	3,							X					
0:35     553-4	1/							1					
0:40   554-1	13							1					
0:45 554-2	1												
0:50 554-3	1 15											34	
10:55 554-9	.(												
	lin												
1:00   SSWF 1:05   SSWZ	18												
(:05   SSWZ	19							+1					
1:10 SSW3									1	+			
1:15 V V V SSW4	20					_		10					-0.015
Additional Instructions:  (field sampler), attest to the validity and authenticity of this sample. I am late or time of collection is considered fraud and may be grounds for legal	a:11 to Deinn E	ner	nci	: :	21	14	6779	1					
(field sampler), attest to the validity and authenticity of this sample. I am	aware that tampering with or intentionally mislabelling the san	ple locat	AR.			Sample	es requiring therm	al preser	vation	must be r	received on ice the da n 6 °C on subsequent (	y they are san days.	npled or recei
ate or time of collection is considered fraud and may be grounds for legal	action. Sampled by: Andrew F	OUN	0			раскес	d in ice at an avg te	inp abov				1127	· ·
telinquished by (Signature) Date 4-10-33 2-4	De Chicules Curb 4-10	123	Time	04	0	19.0	eived on ice	' /	3	Use O N	any .		
Relinquished by: (Signature)  Date  1-(02)	Recovered by: (Signature)	0-23	Time	336	2	T1:		T2			<u>T3</u>	19.1	3
Relinquished by: (Signature)  Date Time	Received by: (Signature) Date	.72	Time	1: 19	5	MI	Tomp °C	4		* 7 -			Way 1
	Received by: (Signature) Date	.22	_	1: 19	5		Femp°C	4	- 14.3				w.V.

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Printed: 4/11/2023 1:23:36PM

### **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.

	ma Environmental Services-Carlsbad	Date Received:	04/11/23	07-15	Work Order ID:	E304046
Chent.			04/11/23			Caitlin Christian
		Date Logged In: Due Date:		17:00 (4 day TAT)	Logged In By:	Cannii Christian
Eman. tor	I I	Jue Baie.	01/11/25	17.00 (Tuly 1711)		
Chain of Cus	stody (COC)					
	ample ID match the COC?		Yes			
2. Does the m	umber of samples per sampling site location match	h the COC	Yes			
3. Were samp	oles dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>ourier</u>	
	OC complete, i.e., signatures, dates/times, requeste	ed analyses?	Yes			
No	amples received within holding time? ote: Analysis, such as pH which should be conducted in the conducted in		Yes		<u>Commen</u>	ts/Resolution
	Around Time (TAT)					
o. Did the CC	OC indicate standard TAT, or Expedited TAT?		Yes		Project (Cobber 21-33	6H) has been
Sample Cool	ler				separated into mulitple	WO due to high
7. Was a samj	ple cooler received?		Yes		sample volume. Worko	orders are as
3. If yes, was	cooler received in good condition?		Yes		follows:E304046 (COC	
). Was the sai	mple(s) received intact, i.e., not broken?		Yes		· ·	·
	tody/security seals present?		No		,E304047 (COC pg 3,4	
	ere custody/security seals intact?		NA		received with white ou	t used by client
No mi	mple received on ice? If yes, the recorded temp is 4°C, in ote: Thermal preservation is not required, if samples are reinutes of sampling	received w/i 15	Yes			
	ble ice, record the temperature. Actual sample to	perature: <u>4°0</u>	<u>-</u>			
Sample Cont			N.T			
•	ous VOC samples present?		No NA			
	samples collected in VOA Vials? d space less than 6-8 mm (pea sized or less)?		NA NA			
	b blank (TB) included for VOC analyses?		NA			
_	VOC samples collected in the correct containers?		Yes			
	ropriate volume/weight or number of sample containers.	rs collected?	Yes			
Field Label	opriate volume, weight of number of sample containe.	is conceica.	103			
	d sample labels filled out with the minimum inform	nation:				
	ole ID?		Yes			
	Time Collected?		Yes	L		
	ectors name?		Yes			
Sample Prese						
	COC or field labels indicate the samples were pres	served?	No			
	ple(s) correctly preserved?	. 1.0	NA			
	eration required and/or requested for dissolved me	tals?	No			
-	Sample Matrix					
	sample have more than one phase, i.e., multiphase		No			
27. If yes, do	es the COC specify which phase(s) is to be analyz	ed?	NA			
Subcontract	<u>Laboratory</u>					
28. Are samp	eles required to get sent to a subcontract laboratory	?	No			
	ocontract laboratory specified by the client and if s	o who?	NA	Subcontract Lab	: NA	
_						

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 22-23 Fed. Com 6H

Work Order: E306019

Job Number: 01058-0007

Received: 6/3/2023

Revision: 2

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 22-23 Fed. Com 6H

Workorder: E306019

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 22-23 Fed. Com 6H.

The analytical test results summarized in this report with the Project Name: Cobber 22-23 Fed. Com 6H 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

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Cell: 775-287-1762

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Technical Representative 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 22-23 Fed. Com 6H		Reported:	
PO Box 247	Project Number:	01058-0007	Reported:	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/05/23 14:25	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WCS1	E306019-01A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCS2	E306019-02A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCS3	E306019-03A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCS4	E306019-04A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCS5	E306019-05A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCS6	E306019-06A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCS7	E306019-07A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCS8	E306019-08A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCS9	E306019-09A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCS10	E306019-10A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCSW1	E306019-11A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW2	E306019-12A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW3	E306019-13A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW4	E306019-14A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW5	E306019-15A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW6	E306019-16A	Soil	06/02/23	06/03/23	Glass Jar, 2 oz.
WCSW7	E306019-17A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW8	E306019-18A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW9	E306019-19A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW10	E306019-20A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCS1 E306019-01

		1500017 01				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		95.6 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.9 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322090
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	Anal	yst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCS2

		Domontino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		95.6 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2322090
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		96.0 %	50-200	06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2322070
	ND	20.0		06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCS3

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2322084
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	
o,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: 4-Bromochlorobenzene-PID		96.4 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.8 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2322090
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		91.0 %	50-200	06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2322070
	ND	20.0	1	06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCS4

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg		yst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		95.7 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.0 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322090
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		84.1 %	50-200	06/03/23	06/03/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322070
· · · · · · · · · · · · · · · · · · ·	ND		<u> </u>	06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCS5

	ъ.				
Result	Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2322084
ND	0.0250	1	06/03/23	06/03/23	
ND	0.0250	1	06/03/23	06/03/23	
ND	0.0250	1	06/03/23	06/03/23	
ND	0.0250	1	06/03/23	06/03/23	
ND	0.0500	1	06/03/23	06/03/23	
ND	0.0250	1	06/03/23	06/03/23	
	94.5 %	70-130	06/03/23	06/03/23	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2322084
ND	20.0	1	06/03/23	06/03/23	
	93.1 %	70-130	06/03/23	06/03/23	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2322090
ND	25.0	1	06/03/23	06/04/23	
ND	50.0	1	06/03/23	06/04/23	
	97.0 %	50-200	06/03/23	06/04/23	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2322070
- U					
	ND Mg/kg ND	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         0.0250           MD         20.0250           94.5 %         mg/kg           MD         20.0           93.1 %         mg/kg           ND         25.0           ND         50.0           97.0 %	Result         Limit         Dilution           mg/kg         mg/kg         Ana           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           94.5 %         70-130           mg/kg         mg/kg         Ana           ND         20.0         1           93.1 %         70-130           mg/kg         mg/kg         Ana           ND         25.0         1           ND         50.0         1           97.0 %         50-200	Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/03/23           ND         0.0250         1         06/03/23           ND         0.0250         1         06/03/23           ND         0.0500         1         06/03/23           ND         0.0250         1         06/03/23           ND         0.0250         1         06/03/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         06/03/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         06/03/23           ND         25.0         1         06/03/23           ND         50.0         1         06/03/23	Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         06/03/23         06/03/23           ND         0.0250         1         06/03/23         06/03/23           ND         0.0250         1         06/03/23         06/03/23           ND         0.0500         1         06/03/23         06/03/23           ND         0.0250         1         06/03/23         06/03/23           ND         0.0250         1         06/03/23         06/03/23           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         06/03/23         06/03/23           mg/kg         mg/kg         Analyst: IY         ND         20.0         1         06/03/23         06/03/23           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         06/03/23         06/04/23           ND         50.0         1         06/03/23         06/04/23           ND         50.0         1         06/03/23         06/04/23           97.0 %         50-200         06/03/23         06/



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCS6

		D				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		93.9 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		99.1 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCS7

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		96.1 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		98.9 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	·



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCS8

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		95.9 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		95.6 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	·



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCS9

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		95.2 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		92.2 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	<del></del>



Chloride

# **Sample Data**

Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCS10

E306019-10							
		Reporting					
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084	
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: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/03/23	06/03/23		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23		
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	06/03/23	06/03/23		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322090	
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23		
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23		
Surrogate: n-Nonane		95.0 %	50-200	06/03/23	06/04/23		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322070	

20.0

06/02/23

06/03/23

ND



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCSW1

E306019-11						
		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		95.0 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ar	nalyst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		96.7 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ar	nalyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCSW2

Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.5 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		95.8 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	ılyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCSW3

E306019-13						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		95.2 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		101 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCSW4

		Reporting				
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: IY	-	Batch: 2322084
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: 4-Bromochlorobenzene-PID		94.4 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.5 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		97.1 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCSW5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		92.9 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.1 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		95.9 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322070



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCSW6

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		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		95.0 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		96.6 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322070



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCSW7

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		94.1 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		94.9 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322070



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

### WCSW8

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		94.8 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		94.3 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		99.0 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/04/23	_



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

#### WCSW9

#### E306019-19

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Anal	lyst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		94.0 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	Analyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		89.5 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	lyst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		95.0 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

E306019-20
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		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Ana	alyst: IY		Batch: 2322084
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: 4-Bromochlorobenzene-PID		93.6 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2322090
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		99.3 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/04/23	



## **QC Summary Data**

Cobber 22-23 Fed. Com 6H Pima Environmental Services-Carlsbad Project Name: Reported: PO Box 247 Project Number: 01058-0007 Plains TX, 79355-0247 Project Manager: Tom Bynum 6/5/2023 2:25:06PM **Volatile Organics by EPA 8021B** Analyst: IY RPD Reporting Spike Source Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Blank (2322084-BLK1) Prepared: 06/03/23 Analyzed: 06/03/23 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: 4-Bromochlorobenzene-PID 7.67 8.00 95.8 70-130 LCS (2322084-BS1) Prepared: 06/03/23 Analyzed: 06/03/23 4.58 5.00 91.5 70-130 0.0250 Benzene Ethylbenzene 4.58 0.0250 5.00 91.5 70-130 4.71 94.1 70-130 0.0250 5.00 Toluene 93.4 70-130 o-Xylene 4.67 0.0250 5.00 9.30 10.0 93.0 70-130 0.0500 p,m-Xylene 93.1 70-130 14.0 0.0250 15.0 Total Xylenes 8.00 94.8 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.58 Matrix Snike (2322084-MS1) Source: E306019-03 Prepared: 06/03/23 Analyzed: 06/03/23

Watrix Spike (2322004-WiS1)			Source:	E300019-0	03	Prepared: 00/05/25 Alialyzed: 00/05/25	
Benzene	4.84	0.0250	5.00	ND	96.8	54-133	
Ethylbenzene	4.83	0.0250	5.00	ND	96.6	61-133	
Toluene	4.96	0.0250	5.00	ND	99.2	61-130	
o-Xylene	4.94	0.0250	5.00	ND	98.8	63-131	
p,m-Xylene	9.81	0.0500	10.0	ND	98.1	63-131	
Total Xylenes	14.7	0.0250	15.0	ND	98.3	63-131	
Surrogate: 4-Bromochlorobenzene-PID	7.69		8.00		96.2	70-130	

Matrix Spike Dup (2322084-MSD1)					Source: E306019-03			6/03/23 Analyzed: 06/03/23
Benzene	4.75	0.0250	5.00	ND	95.0	54-133	1.79	20
Ethylbenzene	4.75	0.0250	5.00	ND	95.0	61-133	1.65	20
Toluene	4.89	0.0250	5.00	ND	97.8	61-130	1.42	20
o-Xylene	4.86	0.0250	5.00	ND	97.2	63-131	1.60	20
p,m-Xylene	9.65	0.0500	10.0	ND	96.5	63-131	1.65	20
Total Xylenes	14.5	0.0250	15.0	ND	96.7	63-131	1.63	20
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130		

# **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				(	5/5/2023 2:25:06PM			
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			Analyst: IY  RPD Limit			
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %		Notes			
Blank (2322084-BLK1)							Prepared: 0	6/03/23 An	alyzed: 06/03/23			
Gasoline Range Organics (C6-C10)	ND	20.0										
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.34		8.00		91.7	70-130						
LCS (2322084-BS2)							Prepared: 0	6/03/23 An	alyzed: 06/03/23			
Gasoline Range Organics (C6-C10)	45.6	20.0	50.0		91.2	70-130						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130						
Matrix Spike (2322084-MS2)				Source:	E306019-	03	Prepared: 0	6/03/23 An	alyzed: 06/03/23			
Gasoline Range Organics (C6-C10)	48.7	20.0	50.0	ND	97.4	70-130						
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.58		8.00		94.8	70-130						
Matrix Spike Dup (2322084-MSD2)				Source:	E306019-	03	Prepared: 0	6/03/23 An	alyzed: 06/03/23			
Gasoline Range Organics (C6-C10)	47.6	20.0	50.0	ND	95.1	70-130	2.37	20				
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.51		8.00		93.9	70-130						

# **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:25:06PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					6/5/2023 2:25:06PM
	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 (2322090-BLK1)							Prepared: 0	6/03/23 A	nalyzed: 06/03/23
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	50.1		50.0		100	50-200			
LCS (2322090-BS1)							Prepared: 0	6/03/23 A	nalyzed: 06/03/23
Diesel Range Organics (C10-C28)	249	25.0	250		99.7	38-132			
Surrogate: n-Nonane	49.6		50.0		99.2	50-200			
Matrix Spike (2322090-MS1)				Source:	E306019-	04	Prepared: 0	6/03/23 A	nalyzed: 06/03/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.8	38-132			
Surrogate: n-Nonane	47.5		50.0		95.1	50-200			
Matrix Spike Dup (2322090-MSD1)				Source:	E306019-	04	Prepared: 0	6/03/23 A	nalyzed: 06/03/23
Diesel Range Organics (C10-C28)	244	25.0	250	ND	97.4	38-132	0.325	20	
Surrogate: n-Nonane	47.2		50.0		94.3	50-200			



LCS (2322070-BS1)

LCS Dup (2322070-BSD1)

Chloride

Chloride

Prepared: 06/02/23 Analyzed: 06/03/23

Prepared: 06/02/23 Analyzed: 06/03/23

20

## **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247		Project Name: Project Number: Project Manager:		Cobber 22-23 F 01058-0007 Tom Bynum	ed. Com 6	δΗ			<b>Reported:</b> 6/5/2023 2:25:06PM
		Anions	by EPA	300.0/9056	4				Analyst: RAS
Analyte	Result	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit	Notes
Blank (2322070-BLK1)	mg/kg	mg kg	mg kg	mg Kg	70	70			Analyzed: 06/03/23
Chloride	ND	20.0					<del>-</del>		•

250

250

97.2

99.4

90-110

90-110

2.15

243

248

20.0

20.0

#### 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 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/05/23 14:25

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.



Client: P	ima Envi	ronmen	tal Servi	ces	Oc., Bill To	-		2	La	ıb Us	e On	ly	500		_	TA	T	EPA F	Program
Project:	Cobber		11 73	Fed. Com6H	Attention: Deven		Lab	WO#	7		Job 1	Vum			2D	3D	Standard		SDWA
	Manager:				Address:		Εć	300	019		010	S8:	$t\infty$	X				il Let	
	5614 N. e, Zip Ho				City, State, Zip						Analy	sis a	nd Metho	d					RCRA
	580-748-		1. 88240	<u> </u>	Phone:													Chata	
	tom@pin		n		Email:		8015	8015	1			0					NMI C	State O UT AZ	TX I
Report d					Pima Project # 287		yd C	yd C	8021	260	010	300.		Σ	¥		X	5 01 A2	-   '^
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	Зерос		7	Remark	s
9:30	612123	5	1	NCS1										X					
9:35				NCS 2		2								1					
1:40				NCS 3		3													
9:45				NCS 4		4			100										
9:50				NCS 5		5													
7:55				NCS 6		6													
D:00°				Nos 7															
0:05				NCS 8		8													
10:10				NCS 9		9													
D:15	4	•	1	NCS 10		10								1					
	al Instruct	11/41			B# 21146774													of the sales of the	
ate or time	of collection i	considered		nay be grounds for legal a		lling the sample	locati	on,									eived on ice the d o °C on subsequen	Committee and an additional	oled or received
Cerin	d by: (Signated Ada)	M	Date	12/23 280		Date 2	43	Time	f32	)	Rece	eivec	on ice:	_	ab U	se On I	ly		
Wa	d by: (Signa	elyz		2-23 Time 80	10.00	Date 6-2-	13	Time	100	,	T1_			T2			<u></u>		
	d by: (Signa		O-	-2-23 23	Received by: (Signature)	Date (03)	23	Time	CIC	5	AVG	Ten	np°C	4					
				queous, O - Other						<b>p</b> - p	oly/pl	astic	ag - amb						
Note: Samp	les are disca	rded 30 da	ys after re	sults are reported unle	ss other arrangements are made. Hazardou	s samples will	be re	turned	to cli	ent o	dispo	sed o	f at the clie	nt exp	ense.	The r	eport for the	nalysis of the	e above
ampies is a	hbiicapie or	y to those	samples re	eceived by the laborati	ory with this COC. The liability of the laborato	ry is limited to	the a	amoun	t paid	foro	n the r	epor	t.						



Received by OCD: 6/12/2023 8:43:41 AM

Client: Pi	ma Envi	ronmen	tal Servi	ces	Bill To		0.5		La	ab Us	e On	ily			TA	T	EPA P	rogram
Project: Project M	Co bb	Tom Bu	F72 73	Fed. Com 64	Attention: Devan			WO#	ŧ		Job I	Number		2D	3D	Standard	CWA	SDWA
Address:					Address: City, State, Zip		ES	50	200			1000-8-50						
City, State					Phone:		-	-			Analy	sis and Meth	od	_				RCRA
Phone: 5					Email:		2	S									State	
Email: to		aoil.cor	n				801	801		-		0				NMI CO	UT AZ	TX
Report du	e by:				Pima Project # 287		o by	O by	802	3260	010	300	Z	4		X	01 1/2	1/4
-	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC	BGDOC		-	Remarks	i i
10:20	11/23	5	1	NCSW 1									X					
0:25				NCSW Z		12												
10:30				NCSW 3		13							H					
10:35				NESW 4		14												
10:40				NCSW 5		15												
10:45				NCSW 6		110												
10:50				NCSW 7		Iñ												
10:55				NCSW 8		18							T					
11:00				NCSW 9		19							1					
11:05	1	1	V.	NOSW 10		80							1					
Additional	Instruct	ions:			B# 21146774									1	1 1			
(field sample late or time of	r), attest to f collection i	the validity s considered	and authenti I fraud and m	city of this sample. I am nay be grounds for legal	aware that tampering with or intentionally mislat action. <u>Sampled by:</u>	elling the sample	locatio	on,								eived on ice the day t °C on subsequent da		ed or received
telinquished Varin	u Ado	MA	Date	12/23 Time 230	Received by: (Signature)	Date	23	Time	132	)	Rece	eived on ice:	C	ab U	se Onl	у		
Relinquished	le	emp	Date	2-23 Time	Received by: (Signature)	Date 6-2-		Time	100		T1	area on ice.	T	ر		<u></u>		
Relinquished	by: (Signat		Date	2-23 Z3	Received by (Signature)	1 Pate /3	22	Time	0F	/		Temp °C (	+			13		
ample Matrix	: S - Soil, Sd	- Solid, Sg - S	Sludge, A - A	queous, O - Other		Container	Type	: g - g	glass, i	p - pc	ly/pla	astic. ag - amb	oer gla	iss, v -	VOA			-3
lote: Sample	es are disca	rded 30 da	ays after res	sults are reported unl	ess other arrangements are made. Hazardo	us samples will	be ret	urned	to clie	ent or	dispos	sed of at the cli	ent ex	pense.	The re	port for the ana	ysis of the	above
amples is ap	plicable or	ly to those	samples re	eceived by the labora	tory with this COC. The liability of the laborat	ory is limited to	thea	moun	t naid	for or	thor	enort				The State of the State of	the state of the	Charles .



Page 154 of 192

Printed: 6/5/2023 11:08:19AM

## **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: Phone:	Pima Environmental Services-Carlsbad (575) 631-6977	Date Received:	06/03/23 00 06/02/23 17		Work Order ID: Logged In By:	E306019 Alexa Michaels
Email:	tom@pimaoil.com	Date Logged In: Due Date:		:00 (0 day TAT)	Logged III By.	Alexa Michaels
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location mat	ch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: C	<u>Courier</u>	
4. Was the	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes			
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•	Yes		<u>Comme</u>	nts/Resolution
Sample T	urn Around Time (TAT)				D : (C 11 22 22	F 10 (III
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes		Project Cobber 22-23	
Sample C	<u>Cooler</u>				been separated into 3 i	reports due to sample
7. Was a s	sample cooler received?		Yes		volume. Workorders a	re as follows:
8. If yes,	was cooler received in good condition?		Yes		E306019, E306020, E	306021.
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			
	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	e received w/i 15	Yes C			
Sample C			_			
	queous 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			
	appropriate volume/weight or number of sample contain		Yes			
Field Lab						
	field sample labels filled out with the minimum info	rmation:				
	ample ID?		Yes			
	ate/Time Collected?		Yes	'		
	ollectors name?		Yes			
	reservation					
	the COC or field labels indicate the samples were pr	eserved?	No			
	ample(s) correctly preserved?	. 1.0	NA			
	filteration required and/or requested for dissolved m	ietais?	No			
	se Sample Matrix					
	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	zed?	NA			
Subcontr	act Laboratory					
28. Are sa	imples required to get sent to a subcontract laborator	ry?	No			
29. Was a	subcontract laboratory specified by the client and it	f so who?	NA S	Subcontract Lab	: na	
Client In	<u>istruction</u>					

Date

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

Received by OCD: 6/12/2023 8:43:41 AM

Fare =																					
Client: F	ima En	vironme	ntal Servi	Fed. Com6H	Attention: Deven	То						e On					T	AT		EPA P	rogram
Project:	COOP	Tomp	3 Lel 13	teo. com6ff	- Teconicioni			Lab 1	WO#			Job I				2D	3D	St	andard	CWA	SDWA
	Manager:		ton Hwy.		Address:			E .	300	00		010	58-	0003	X						
			IM. 88240		City, State, Zip							Analy	sis ar	d Meth	od						RCRA
	580-748		IIVI. 00240		Phone:																
	tom@pi		nm		Email:			015	015							il.				State	
Report d		maon.cc	,,,,,		Pima Project # 7	.87		by 8	by 8	8021	9	10	00.0		2				NM CO	UT AZ	TX
Time	Date	T	No. of		<u> </u>	0 1	Lab	ORO	DRO	by 8(	y 82	s 60.	de 3	- 1					X		
Sampled	Sampled	Matrix	Containers	Sample ID	Maria de la companya		Number	DRO/ORO by 8015	GRO/DRO by 8015	втех ву	VOC by 8260	Metals 6010	Chloride 300.0		RGDOC	BGDOC	,	1	1.41	Remarks	*
9:30	61212	5	1	NCS1	*		1								X	_			Sooke	42	th
9:35			1	NCS 2			a												Clien		00
9.40				NCS 3			3												Som		name:
9:45				NCS 4			4												Shar	1	Start.
9:50				NCS 5			5												with		not M
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10:00				Nos 7			Ť												<u>u</u> ,	7160	Cel
10:05	7			NCS 8			8														
10:10				NCS 9			9													1	
10:15	上	1		NCS 10			10								1				50		
Addition					B# 211	46774													1		41
date or time	of collection	is consider	ed fraud and r	may be grounds for legal a	tware that tampering with or interction. Sampled by:	ntionally mislabelling	the sample	locatio	n,										on ice the day the		ed or received
Relinquish	me Ad	ime	Date	12/23 Time 280	Received by: (Signature		625	23	Time 14	30	)	Rece	ived	on ice:	(	Lab U	se Or	ıly	1343		
Relinquish	elle (	llyts	_ Date	2-23 17 80	Received by: (Signature	1650 E	G-2-2	-3	Time	700		T1			T	. ر			тз		
Relinquish			Date	-2-23 7230			Date	72	Time	115					(I	Step.					
The state of the s	-			Aqueous, O · Other	1 July	JX 10	MYK	الكِ	V.	ノし		AVG			7	B.116	A.		596 7	100	
Note: Sam	ples are dis	carded 30	days after re	sults are reported unla	es other arrangements are ma	do Haradous sas	Container	Type	g-gl	ass, p	9 - po	ly/pla	astic,	ag - am	ber gl	ass, v	- VOA				
samples is	applicable	only to the	se samples r	received by the laborato	ss other arrangements are ma	of the laboratory is	limited to	the a	urned 1	to clie	nt or	dispos	sed of	at the c	ient ex	pense	. The	report	for the anal	sis of the	above



**Project Information** 

Chain of Custody

Page Z of 6

Received by OCD: 6/12/2023 8:43:41 AM

Client: Pima Environmental Services Bill To		Formation 1		S. Service									
Project: Conder 6 12.23 Fd. (Om 64) Attention: Duan		100	S COM		ıb U	e On		TAT			EPA Pro		
Project Manager: Tom Bynum Address:			WO#				Number	1D	2D	3D	Standard	CWA	SDWA
Address: 5614 N. Lovington Hwy. City, State, Zip		C	N N	2019	_	-	sis and Method	Λ	1		1		
City, State, Zip Hobbs, NM, 88240 Phone:						Arialy	sis and Method		T .				RCRA
Phone: 580-748-1613 Email:		5	L)								WAR CO. TOWN	State	
Email: tom@pimaoil.com		, 801	801	-			0				NM CO	UT AZ	TY
Report due by: Pima Project # 287		(d 0)	O by	802	3260	010	300.0	NM	¥		X	OI AL	10
Time Date Sampled 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	эоды	BGDOC		. 1	Remarks	
10:20 6/1/23 5 1 NCSW 1	111							Х				<del>V Ortogramski i naga</del>	
10:25 NCSW Z	12												***************************************
10:30 NCSW 3	13												
10:35 NESW 4	14												
10:40 NCSW 5	15												-
10:45 NCSW 6	110												
18:50 NCSW 7	Iñ												
10:55 NCSW 8	18												
11:00 NCSW 9	19							T					
11:05 - 1 NCSW 10	20							1					
Additional Instructions: 3出 21146774									and the same of				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabellind date or time of collection is considered fraud and may be grounds for legal action.	ng the sample	locatio	n,			Sample	requiring thermal pr	servat	tion mus	st be rece	ived on ice the day th	ey are sampled	or received
	Insta		*		Section 1	hacked	in ice at an avg temp					<b>S.</b>	
Karime Adame 6/4/3 200 Milelle Cours	10-2-2	23	J.	130	)	Rece	ived on ice:	V	b Us	e Onl	y		
Relinquished by: (Signature) Date 1800 Received by: (Signature) Williams 62-23 Time Market Ausson	Date 6-2-7	13	MAIN TO SERVICE STATE OF THE PERSON STATE OF T	200		T1		C.	" ر		T3		
Relinquished by: (Signature)  Date  6-2-23  Time  Received by: (Signature)  All July  All July	Cate 12	22	Time	TE		AVG	Temp °C						
Sample Matrix: 5 - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Container	Type	8-9	lass r	1 - DC	ly/ola	stic ag - ambe	n plac	C V	VOA			Secretary of the
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous s	amples will !	be retu	urned	to clie	nt or	dispos	ed of at the clien	texn	ense	There	port for the anal	usis of the ab	0110
samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory	is limited to	the ar	mount	paid t	for or	the re	eport.	- cnp			porcioi die dildi	Asis of the 90	ove



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 22-23 Fed. Com 6H

Work Order: E306020

Job Number: 01058-0007

Received: 6/3/2023

Revision: 2

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 22-23 Fed. Com 6H

Workorder: E306020

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 22-23 Fed. Com 6H.

The analytical test results summarized in this report with the Project Name: Cobber 22-23 Fed. Com 6H 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

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Cell: 775-287-1762

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labadmin@envirotech-inc.com

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West Texas Midland/Odessa Area Rayny Hagan

Technical Representative Office: 505-421-LABS(5227)

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## **Sample Summary**

Γ	Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	Donoutoda
l	PO Box 247	Project Number:	01058-0007	Reported:
l	Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/05/23 14:30

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
WCSW 11	E306020-01A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW 12	E306020-02A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW 13	E306020-03A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW 14	E306020-04A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW 15	E306020-05A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW 16	E306020-06A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW 17	E306020-07A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW 18	E306020-08A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW 19	E306020-09A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
WCSW 20	E306020-10A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
SCS 1	E306020-11A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
SCS 2	E306020-12A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
SCS 3	E306020-13A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
SCS 4	E306020-14A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
SCS 5	E306020-15A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
SCS 6	E306020-16A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
SCS 7	E306020-17A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
SCS 8	E306020-18A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
SCS 9	E306020-19A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.
SCS 10	E306020-20A	Soil	06/01/23	06/03/23	Glass Jar, 2 oz.



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

## WCSW 11 E306020-01

	E300020-01				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Analy			Batch: 2322085
ND	0.0250	1	06/03/23	06/04/23	
ND	0.0250	1	06/03/23	06/04/23	
ND	0.0250	1	06/03/23	06/04/23	
ND	0.0250	1	06/03/23	06/04/23	
ND	0.0500	1	06/03/23	06/04/23	
ND	0.0250	1	06/03/23	06/04/23	
	95.4 %	70-130	06/03/23	06/04/23	
mg/kg	mg/kg	Analy	rst: SL		Batch: 2322085
ND	20.0	1	06/03/23	06/04/23	
	91.6 %	70-130	06/03/23	06/04/23	
mg/kg	mg/kg	Analy	rst: JL		Batch: 2322091
ND	25.0	1	06/03/23	06/04/23	
ND	50.0	1	06/03/23	06/04/23	
	116 %	50-200	06/03/23	06/04/23	
mg/kg	mg/kg	Analy	rst: RAS		Batch: 2322071
ND	20.0	1	06/02/23	06/04/23	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           MD         20.0           91.6 %         mg/kg           ND         25.0           ND         50.0           116 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Analy           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           Mg/kg         mg/kg         Analy           ND         20.0         1           91.6 %         70-130           mg/kg         mg/kg         Analy           ND         25.0         1           ND         50.0         1           116 %         50-200         1           mg/kg         mg/kg         Analy	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/03/23           ND         0.0250         1         06/03/23           ND         0.0250         1         06/03/23           ND         0.0500         1         06/03/23           ND         0.0250         1         06/03/23           ND         0.0250         1         06/03/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/03/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         06/03/23           ND         50.0         1         06/03/23           ND         50.0         1         06/03/23           ND         50.0         1         06/03/23           Mg/kg         mg/kg         Analyst: RAS	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/03/23         06/04/23           ND         0.0250         1         06/03/23         06/04/23           ND         0.0250         1         06/03/23         06/04/23           ND         0.0500         1         06/03/23         06/04/23           ND         0.0250         1         06/03/23         06/04/23           ND         0.0250         1         06/03/23         06/04/23           Mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/03/23         06/04/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         06/03/23         06/04/23           ND         25.0         1         06/03/23         06/04/23           ND         50.0         1         06/03/23         06/04/23           ND         50.0         1         06/03/23         06/04/23           ND         50.0         1         06/03/23

Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

## WCSW 12 E306020-02

	E300020-02				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	lyst: SL		Batch: 2322085
ND	0.0250	1	06/03/23	06/04/23	
ND	0.0250	1	06/03/23	06/04/23	
ND	0.0250	1	06/03/23	06/04/23	
ND	0.0250	1	06/03/23	06/04/23	
ND	0.0500	1	06/03/23	06/04/23	
ND	0.0250	1	06/03/23	06/04/23	
	95.4 %	70-130	06/03/23	06/04/23	
mg/kg	mg/kg	Anal	lyst: SL		Batch: 2322085
ND	20.0	1	06/03/23	06/04/23	
	92.3 %	70-130	06/03/23	06/04/23	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2322091
ND	25.0	1	06/03/23	06/04/23	
ND	50.0	1	06/03/23	06/04/23	
	113 %	50-200	06/03/23	06/04/23	
mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2322071
ND	20.0	1	06/02/23	06/04/23	
	mg/kg ND Mg/kg ND mg/kg	Result         Reporting           mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           MD         0.0250           MD         20.0250           MB/kg         mg/kg           MB/kg         mg/kg           ND         20.0           92.3 %         mg/kg           ND         25.0           ND         50.0           113 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         0.0250         1           95.4 %         70-130           mg/kg         mg/kg         Anal           ND         20.0         1           92.3 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           113 %         50-200           mg/kg         Mg/kg         Anal	Reporting           Result         Limit         Dilution         Prepared           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/03/23           ND         0.0250         1         06/03/23           ND         0.0250         1         06/03/23           ND         0.0500         1         06/03/23           ND         0.0250         1         06/03/23           MD         0.0250         1         06/03/23           mg/kg         mg/kg         Analyst: SL           ND         20.0         1         06/03/23           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         06/03/23           ND         50.0         1         06/03/23           ND         50.0         1         06/03/23           ND         50.0         1         06/03/23           Mg/kg         mg/kg         Analyst: RAS	Reporting           Result         Limit         Dilution         Prepared         Analyzed           mg/kg         mg/kg         Analyst: SL           ND         0.0250         1         06/03/23         06/04/23           ND         0.0250         1         06/03/23         06/04/23           ND         0.0250         1         06/03/23         06/04/23           ND         0.0500         1         06/03/23         06/04/23           ND         0.0250         1         06/03/23         06/04/23           ND         0.0250         1         06/03/23         06/04/23           Mg/kg         mg/kg         Analyst: SL         ND         06/04/23           mg/kg         mg/kg         Analyst: SL         ND         06/04/23           mg/kg         mg/kg         Analyst: JL         ND         25.0         1         06/03/23         06/04/23           ND         25.0         1         06/03/23         06/04/23         06/04/23           ND         50.0         1         06/03/23         06/04/23           ND         50.0         1         06/03/23         06/04/23           ND



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

## WCSW 13 E306020-03

		E300020-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2322085
Benzene	ND	0.0250	1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	06/03/23	06/04/23	
Coluene	ND	0.0250	1	06/03/23	06/04/23	
-Xylene	ND	0.0250	1	06/03/23	06/04/23	
,m-Xylene	ND	0.0500	1	06/03/23	06/04/23	
Total Xylenes	ND	0.0250	1	06/03/23	06/04/23	
iurrogate: 4-Bromochlorobenzene-PID		94.7 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
urrogate: 1-Chloro-4-fluorobenzene-FID		93.2 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Dil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
urrogate: n-Nonane		119 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

		E306020-04				
Reporting						
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2322085
Benzene	ND	0.0250	1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	06/03/23	06/04/23	
Toluene	0.0264	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: 4-Bromochlorobenzene-PID		95.4 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.4 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		121 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	·



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

## WCSW 15 E306020-05

		E500020 03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2322085
Benzene	ND	0.0250	1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	06/03/23	06/04/23	
oluene	ND	0.0250	1	06/03/23	06/04/23	
-Xylene	ND	0.0250	1	06/03/23	06/04/23	
o,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: 4-Bromochlorobenzene-PID		95.1 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.3 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		118 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	
Chioride	ND	20.0	1	00/02/23	00/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

		E306020-06				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
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	
o,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: 4-Bromochlorobenzene-PID		94.6 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.1 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		118 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

		E306020-07				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		95.8 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.1 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		119 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

		E306020-08				
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		95.2 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.4 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		125 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

		E306020-09				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	llyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		122 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

E306020-10						
Reporting						
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		95.7 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.3 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		121 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

## SCS 1

		Domontino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	vst: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		95.3 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		119 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2322071
				06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

#### SCS 2

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		95.4 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.8 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		125 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	lyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

#### SCS 3

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
Benzene	ND	0.0250	1	06/03/23	06/04/23	
Ethylbenzene	ND	0.0250	1	06/03/23	06/04/23	
Toluene	0.0276	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: 4-Bromochlorobenzene-PID		95.3 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.2 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		118 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	_



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

#### SCS 4

		Domontino				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	•	,	Batch: 2322085
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: 4-Bromochlorobenzene-PID		95.2 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		117 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	rst: RAS		Batch: 2322071
				06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

## SCS 5

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		95.3 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.0 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		116 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

#### SCS 6

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		95.1 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.6 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		119 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

## SCS 7

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		96.1 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		90.9 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		118 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	_



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

#### SCS 8

		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2322085
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	
p-Xylene	ND	0.0250	1	06/03/23	06/04/23	
o,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: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	ılyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		91.2 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		113 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

#### SCS 9

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		95.5 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		120 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



# **Sample Data**

Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

### **SCS 10**

### E306020-20

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: SL		Batch: 2322085
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: 4-Bromochlorobenzene-PID		94.1 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.0 %	70-130	06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2322091
Diesel Range Organics (C10-C28)	ND	25.0	1	06/03/23	06/04/23	
Oil Range Organics (C28-C36)	ND	50.0	1	06/03/23	06/04/23	
Surrogate: n-Nonane		123 %	50-200	06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



## **QC Summary Data**

		QC SI	umm	iai y Dai	a				
Pima Environmental Services-Carlsbad PO Box 247	1	Project Name: Project Number:		Cobber 22-23 I 01058-0007	Fed. Com 6	БН			Reported:
Plains TX, 79355-0247		Project Manager:	,	Tom Bynum					6/5/2023 2:30:51PM
		Volatile O	rganics	by EPA 80	21B				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 (2322085-BLK1)							Prepared: 0	6/03/23 A	analyzed: 06/04/23
Benzene	ND	0.0250					-		
Ethylbenzene	ND	0.0250							
Foluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			
LCS (2322085-BS1)							Prepared: 0	6/03/23 A	analyzed: 06/04/23
Benzene	4.93	0.0250	5.00		98.6	70-130			
Ethylbenzene	4.88	0.0250	5.00		97.5	70-130			
Toluene	5.07	0.0250	5.00		101	70-130			
o-Xylene	5.00	0.0250	5.00		100	70-130			
o,m-Xylene	9.88	0.0500	10.0		98.8	70-130			
Total Xylenes	14.9	0.0250	15.0		99.2	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.63		8.00		95.4	70-130			
Matrix Spike (2322085-MS1)				Source	: E306020-	01	Prepared: 0	6/03/23 A	analyzed: 06/04/23
Benzene	4.73	0.0250	5.00	ND	94.7	54-133			
Ethylbenzene	4.69	0.0250	5.00	ND	93.8	61-133			
Coluene	4.85	0.0250	5.00	ND	96.9	61-130			
-Xylene	4.80	0.0250	5.00	ND	95.9	63-131			
,m-Xylene	9.51	0.0500	10.0	ND	95.1	63-131			
Total Xylenes	14.3	0.0250	15.0	ND	95.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.53		8.00		94.1	70-130			
Matrix Spike Dup (2322085-MSD1)				Source	: E306020-	01	Prepared: 0	6/03/23 A	analyzed: 06/04/23
Benzene	4.87	0.0250	5.00	ND	97.5	54-133	2.92	20	
Ethylbenzene	4.83	0.0250	5.00	ND	96.7	61-133	3.02	20	
Toluene	4.98	0.0250	5.00	ND	99.6	61-130	2.74	20	
o-Xylene	4.95	0.0250	5.00	ND	99.1	63-131	3.22	20	
V-1	0.02	0.0500	10.0	ND	00.2	62 121	2.16	20	

10.0

15.0

8.00

0.0500

0.0250

ND

ND

98.2

98.5

95.6

63-131

63-131

70-130

3.16

3.18

20

20



p,m-Xylene Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

9.82

14.8

7.65

## **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum				6	5/5/2023 2:30:51PM
	Non	halogenated	Organics	by EPA 80	15D - Gl	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 (2322085-BLK1)							Prepared: 0	6/03/23 Ana	alyzed: 06/04/23
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			
LCS (2322085-BS2)							Prepared: 0	6/03/23 Ana	alyzed: 06/04/23
Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			
Matrix Spike (2322085-MS2)				Source:	E306020-	01	Prepared: 0	6/03/23 Ana	alyzed: 06/04/23
Gasoline Range Organics (C6-C10)	45.1	20.0	50.0	ND	90.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.35		8.00		91.9	70-130			
Matrix Spike Dup (2322085-MSD2)				Source:	E306020-	01	Prepared: 0	6/03/23 Ana	alyzed: 06/04/23
Gasoline Range Organics (C6-C10)	43.2	20.0	50.0	ND	86.3	70-130	4.44	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			



# **QC Summary Data**

Pima Environmental Services-Carlsbad	Project Name:	Cobber 22-23 Fed. Com 6H	Reported:
PO Box 247	Project Number:	01058-0007	•
Plains TX, 79355-0247	Project Manager:	Tom Bynum	6/5/2023 2:30:51PM

Plains TX, 79355-0247		Project Manage	r: To	m Bynum					6/5/2023 2:30:51PM
	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 (2322091-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	59.0		50.0		118	50-200			
LCS (2322091-BS1)							Prepared: 0	6/03/23 Aı	nalyzed: 06/03/23
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
urrogate: n-Nonane	56.7		50.0		113	50-200			
Matrix Spike (2322091-MS1)				Source:	E306020-	20	Prepared: 0	6/03/23 Aı	nalyzed: 06/04/23
Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
urrogate: n-Nonane	57.1		50.0		114	50-200			
Matrix Spike Dup (2322091-MSD1)				Source:	E306020-	20	Prepared: 0	6/03/23 Aı	nalyzed: 06/04/23
Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132	2.50	20	
urrogate: n-Nonane	56.2		50.0		112	50-200			



LCS Dup (2322071-BSD1)

Chloride

Prepared: 06/02/23 Analyzed: 06/04/23

20

## **QC Summary Data**

Pima Environmental Services-Carlsbad PO Box 247		Project Name: Project Number:	(	Cobber 22-23 F	ed. Com 6	Н			Reported:
Plains TX, 79355-0247		Project Manager:	_	Гот Bynum					6/5/2023 2:30:51PM
		Anions l	by EPA	300.0/9056A	1				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 (2322071-BLK1)							Prepared: 0	6/02/23 A	nalyzed: 06/04/23
Chloride	ND	20.0							
LCS (2322071-BS1)							Prepared: 0	6/02/23 A	nalyzed: 06/04/23
Chloride	240	20.0	250		96.2	90-110			

250

20.0

97.8

90-110

1.70

245

#### 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 22-23 Fed. Com 6H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	06/05/23 14:30

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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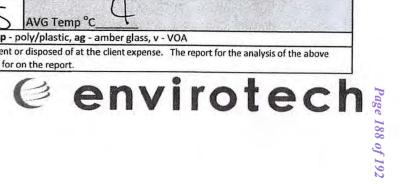


Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Released to Imaging: 9/12/2023 1:56:24 PM

Client: F	ima Env	ironmen	tal Servi	ices		Bill To	-			La	b Us	e On	ly				TA	T	EPA Pr	ogram
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	Manager:				102-10-444-041-1	ddress:		E3	301	902	0	DIC	58	-0007	X					
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Report d		10011.001	-			Pima Project # 787		O by 8	8 kq C	8021	260	010	300.0		Z	¥		NM CO	UT AZ	TX
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	)		Lab Number	DRO/ORO by	GRO/DRO by 8	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		верос	BGDOC		X.1	Remarks	
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7:10 Pm				SCS	3		13													
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Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



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Printed: 6/5/2023 11:17:42AM

### **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.

Close transference control of the properties of		Diver Province and Service Coulded	D . D		_		
Email of Custedy (COC)  1. Does the sample 1D match the COC? 2. Does the sample of samples per sampling site location match the COC (Yes Samples dropped off by client or carrier? 3. Wers samples dropped off by client or carrier? 4. Was the COC complete, i.e., signamers, datasel times, requested analyses? 5. Were all samples received within holding time? 5. Nore 1 samples received within holding time? 6. Nore 1 samples received within holding time? 7. Was in sample for the COC indicate standard TAT, or Expedited TAT? 8. Did the COC indicate standard TAT, or Expedited TAT? 9. Did the COC indicate standard TAT, or Expedited TAT? 9. The 3 sample cooler received? 9. Yes 1. Wes the sample cooler received? 9. Was the samples preceived in good condition? 9. Was the samples preceived in good condition? 9. Was the samples cooler received? 10. Were custody/security seals present? 11. If yes, were custody/security seals present? 12. Was the sample received on recl' Flys, the seconded temp is 4°C, i.e., 6°±2°C. 13. If no visible i.e., record the temperature. Actual sample collected in the orner containers? 14. Are non-VOC samples collected in the orn	Client:	Pima Environmental Services-Carlsbad	Date Received:	06/03/23 00:1:		Work Order ID:	E306020
Chain of Custody (COC)  1. Does the sample ID match the COC? 2. Does the number of samples per sampling site location match the COC Yes 3. Were samples dropped off by elicitor to carrier? 4. Was the COC complete, i.e. signatures, dates/innes, requested analyses? 5. Were all samples received within holding time? 7. Were all samples received within holding time? 8. Were all samples received within holding time? 7. Were all samples received within holding time? 8. Were all samples received within holding time? 8. Were all samples received mine holding time? 9. Were the COC complete, i.e. signatures, dates/incomplete to the field, i.e. in the complete time with the complete time and the field, i.e. in the complete time with the complete time and the field, i.e. in the complete time with the complete time with the complete time and the field, i.e. in the complete time with the complete ti						Logged In By:	Alexa Michaels
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12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling  13. If no visible ice, record the temperature. Actual sample temperature: 4°C Sample Container  14. Are aqueous VOC samples present?  15. Are VOC Samples present?  16. Is the head space less than 6-8 mm (pea sized or less)?  NA  16. Is the head space less than 6-8 mm (pea sized or less)?  NA  17. Was a trip blank (TB) included for VOC analyses?  NA  18. Are non-VOC samples collected in the correct containers?  Yes  19. Is the appropriate volume/weight or number of sample containers collected?  Yes  Field Label  20. Were field sample labels filled out with the minimum information:  Sample ID?  Date/Time Collected?  Collectors name?  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  NA  24. Is lab filteration required and/or requested for dissolved metals?  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  Subcontract Laboratory  29. Was a subcontract laboratory specified by the client and if so who?  No  Subcontract Laboratory  No  Subcontract Laboratory specified by the client and if so who?  No  Subcontract Laboratory specified by the client and if so who?	11. If yes,	were custody/security seals intact?					
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	28. Are sa	mples required to get sent to a subcontract laborato	ry?	No			
Client Instruction	29. Was a	subcontract laboratory specified by the client and it	f so who?	NA Su	bcontract Lab	o: NA	
	Client In	struction_					

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



Date

**Project Information** 

Chain of Custody

	2		1
Page	/	of _	0

Received by OCD: 6/12/2023 8:43:41 AM

Client: Pima Environmental Services Bill To Lab Use Only TAT FPA Program														
Project: Cobber Ct 73 Fed COM 6+ Attention: Devon	Be A Charles on Death of Street, Street, Street, St. Co.,				se Only				Inn	TA			ogram	
Project Manager: Tom Bynum Address:		Lab WO# E 30 Lo CO				Job Number 1			X		D 3D Standard CWA		CWA	SDWA
Address: 5614 N. Lovington Hwy. City, State, Zip		530000				1000-85010			-			RESERVED TO STREET		RCRA
City, State, Zip Hobbs, NM, 88240 Phone:	-		TIT			Analysis and Metho								KCKA
Phone: 580-748-1613 Email:		I/O	S.									Mary and and	State	
		/ 803	, 801	1			0		_			NM CO		TX
Report due by:  Pima Project # 287		10 b	(O b)	802	8260	010	300		Z	¥		X		
Time Date Sampled 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	
11:10 6/1/23 5 1 NESW 11									X			Sax	o. (1	ith
11:15   NCSW 12	2								1			Clon	tal	1
11:20 NOSW 13	3											Sam	do 1	anes
11:25 Nesw 14	14											Jm	HS	tant
11:30 NCSW 15	5											with	Wink	TN
11:35 NCSW 16	10											1015	k3 (	m
11:40 NCSW 17	Ī								H			910		
11:45 N&SW 18	8												******	
11:50 NCSW 19	9													
11:55 1 1 NCSW 20	10								1					
Additional Instructions: B井 Z11467	74													
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelli date or time of collection is considered fraud and may be grounds for legal action.  Sampled by:	ng the sample	locatio	on,									ived on ice the day t C on subsequent day		ed or received
Relinquished by: (Signature)  Varine Frame  C12/23 Time  C12/23 Time	Date 22	3	Time 14	130		Received on ice: (Y) N								
Relinquished by: (Signature)  Date  Date  Le2-23 Time  Received by: (Signature)  Date  Beceived by: (Signature)  Date  Beceived by: (Signature)  Date  Beceived by: (Signature)  Date  Date  Date  Date  TIME  TO  TIME  TO  TIME  TO  TO  TO  TO  TO  TO  TO  TO  TO  T														
Relinquished by: (Signature)  (Aldrew Ms2s G-2-23 Time 345 Received by: (Signature)  (Aldrew Ms2s G-2-23 Time 345 Received by: (Signature)	10/2	12	Time	IK	. /	AVG	Tem	· (	Ī		,			
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other	Containe	Type	1 g - 6	lass, r	_	and the same of the same of	The same of the sa	ALCOHOL: NAME OF TAXABLE PARTY.	ergla	SS V-	VOA	College of Street	A. C. C.	ne see
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous s	samples will	be ret	urned	to clie	nt or	dispos	ed of	at the clie	nt exp	ense.	The re	port for the ana	vsis of the	above
samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.														



Received by OCD: 6/12/2023 8:43:41 AM

Client: Pima Environmental Services Bill To Lab Use Only TAT FPA Program																							
Country Calley 1977 Cal Cana (1)						Lab WO#				Jse Only Job Number				- I	- 1	TA		ogram					
Project Manager: Tom Bynum Address:						Lab	WO#	007	)	JOD	NUM!	oer ~~~	1	D Z	20	3D	Standard	CWA	SDWA				
Address: 5614 N. Lovington Hwy. City, State, Zip						1000	E306020 0					d Meth		V.I.	_	1	Elabeliania		RCRA				
City, State, Zip Hobbs, NM, 88240 Phone:								1			Allary	313 (11)	u wieti	1	Т	-	Т	V. Santa		NCNA			
Phone: 580-748-1613 Email:							5	5								N/A			State				
Email: tom@pimaoil.com						/80	/80	н			0.			_			NM CO		TX				
Report d	T							Pima Project # 787		30 b	0 P	802	8260	5010	300			N. N.	¥		V		
Time Sampled	100	npled	Mat	rix	No Conta	of niners	Sample ID		Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC	BGDOC			Remarks	
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7:05							SCSZ		12														TEN
7:10 Pm							SCS 3		13									I				**************************************	or transmitted
7:15	1						SCS 4		14														
7:20							SCS 5		15														
7:25							SCS 6		16														
7:36							SCS 7		N														
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7:45	-	_	+	•	1		SCS LO		aÒ														
Addition								B# 2114677	4														
date or time	of co	llection	is consi	idity a dered	ind au fraud	thenti and m	city of this sample. I am av any be grounds for legal act	vare that tampering with or intentionally mislabell	ng the sample	locati	on,										eived on ice the day i °C on subsequent da		d or received
Relinquished by: (Signature)  Carine Adame  Date 612123 Time 270 Received by: (Signature)  Date 6-2-						23	Received on ice: (Y) N							100000									
Relinquished by: (Signature)  Date  Time  Received by: (Signature)  Date  (22)  Time  (22)  Time  (22)  Time  (22)  Time  (22)																							
Relinquish	es	/ v	nyc				-1-13 730	Received by (Signature)	Date /3	R	Time	OF.	-		Tem	p°C_	İ						
Sample Mat	rix: S	Soil, So	- Solid	Sg - 5	ludge,	A - Ac	queous, O - Other	- soach box	Containe	Туре	: g - g	glass,	n - no	dv/nl	actic	20 - 2m	ber	glass	, v - 1	VOA	THE PERSON NAMED IN		
samples is	Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory with this COC.																						



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 226199

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	226199
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By		Condition Date
nvelez	None	9/12/2023