

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

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

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

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

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

State of New Mexico
Oil Conservation Division

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

Printed Name: Dale Woodall Title: Environmental Professional
Signature: Dale Woodall Date: 6/12/2023
email: dale.woodall@dv.com Telephone: 575-748-1839

OCD Only

Received by: Jocelyn Harimon Date: 06/12/2023

Incident ID	nAPP2309133942
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Application ID	

Closure

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

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

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

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

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

OCD Only

Received by: Jocelyn Harimon Date: 06/12/2023

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

Closure Approved by: Nelson Velez Date: 09/12/2023
Printed Name: Nelson Velez Title: 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 (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50'	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Cobber 21 33 Federal Com #6H | [Devon Energy](#)

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)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -COBBER 21 33 FEDERAL COM #006H								
Sample Date: 4/7/2023 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
NS1	1'	ND	ND	ND	72.6	60.6	133.2	1250
	2'	ND	ND	ND	172	214	386	132
	3'	ND	ND	ND	35.6	ND	35.6	126
	4'	ND	ND	ND	ND	ND	0	ND
NS2	1'	ND	ND	ND	91.8	55	146.8	1670
	2'	ND	ND	ND	35.8	ND	35.8	126
	3'	ND	ND	ND	39.4	ND	39.4	139
	4'	ND	ND	ND	ND	ND	0	ND
NS3	1'	ND	ND	ND	52.2	ND	52.2	1080
	2'	ND	ND	ND	36.4	ND	36.4	132
	3'	ND	ND	ND	35.6	ND	35.6	135
	4'	ND	ND	ND	ND	ND	0	ND
NS4	1'	ND	ND	ND	85.8	79.9	165.7	1300
	2'	ND	ND	ND	40.2	ND	40.2	145
	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: 4/7/2023 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
SS1	1'	ND	ND	ND	48.4	ND	48.4	574
	2'	ND	ND	ND	34.9	ND	34.9	138
	3'	ND	ND	ND	ND	ND	0	28.6
	4'	ND	ND	ND	ND	ND	0	ND
SS2	1'	ND	ND	ND	48.8	ND	48.8	768
	2'	ND	ND	ND	32.2	55.2	87.4	120
	3'	ND	ND	ND	ND	ND	0	31.7
	4'	ND	ND	ND	ND	ND	0	ND
SS3	1'	ND	ND	ND	45.8	ND	45.8	1400
	2'	ND	ND	ND	31.9	ND	31.9	130
	3'	ND	ND	ND	ND	ND	0	34
	4'	ND	ND	ND	ND	ND	0	ND
SS4	1'	ND	ND	ND	36.8	ND	36.8	797
	2'	ND	ND	ND	42.3	58.7	101	133
	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

ND- Analyte Not Detected

Cobber 21 33 Federal Com #6H | [Devon Energy](#)

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: 6/1/2023				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
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)

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY -COBBER 21 33 FEDERAL COM #006H								
Sample Date: 6/1/2023 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
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



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map



4-Site Map

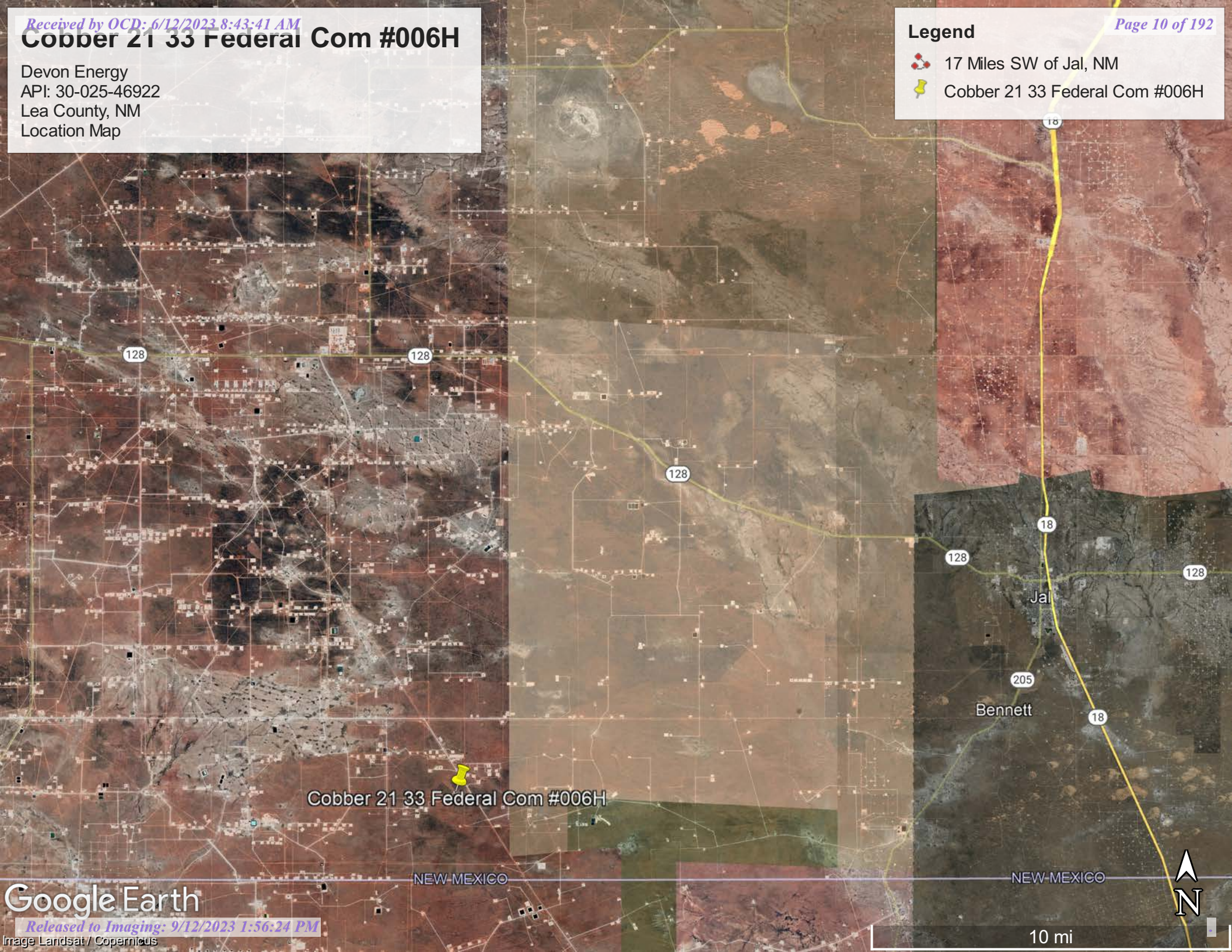
5-Confirmation Sample Map

Cobber 21 33 Federal Com #006H

Devon Energy
API: 30-025-46922
Lea County, NM
Location Map

Legend

-  17 Miles SW of Jal, NM
-  Cobber 21 33 Federal Com #006H



Cobber 21 33 Federal Com #006H

NEW-MEXICO

NEW-MEXICO

Google Earth

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Image Landsat / Copernicus


10 mi

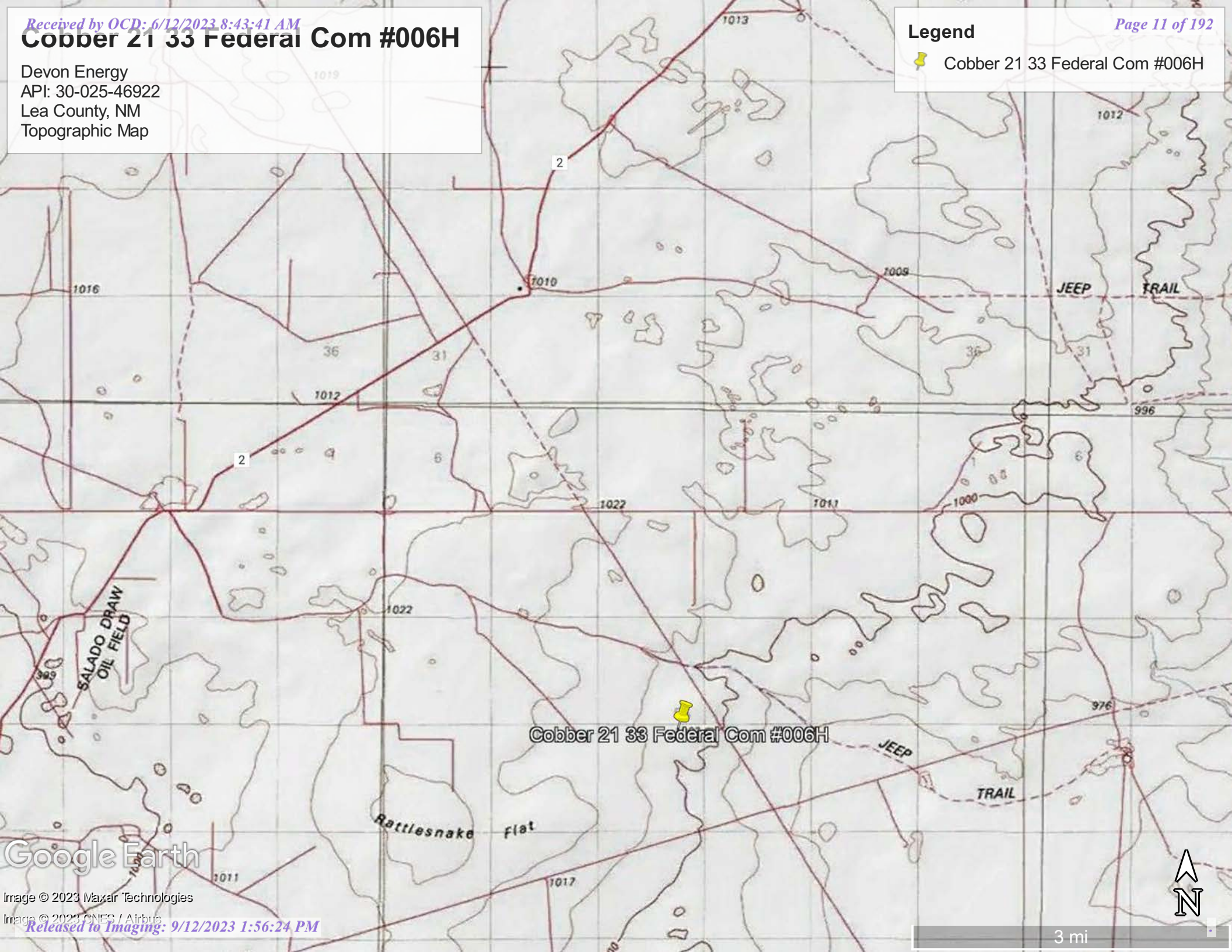


Copper 21 33 Federal Com #006H

Devon Energy
API: 30-025-46922
Lea County, NM
Topographic Map

Legend

 Copper 21 33 Federal Com #006H



Google Earth

Image © 2023 Maxar Technologies

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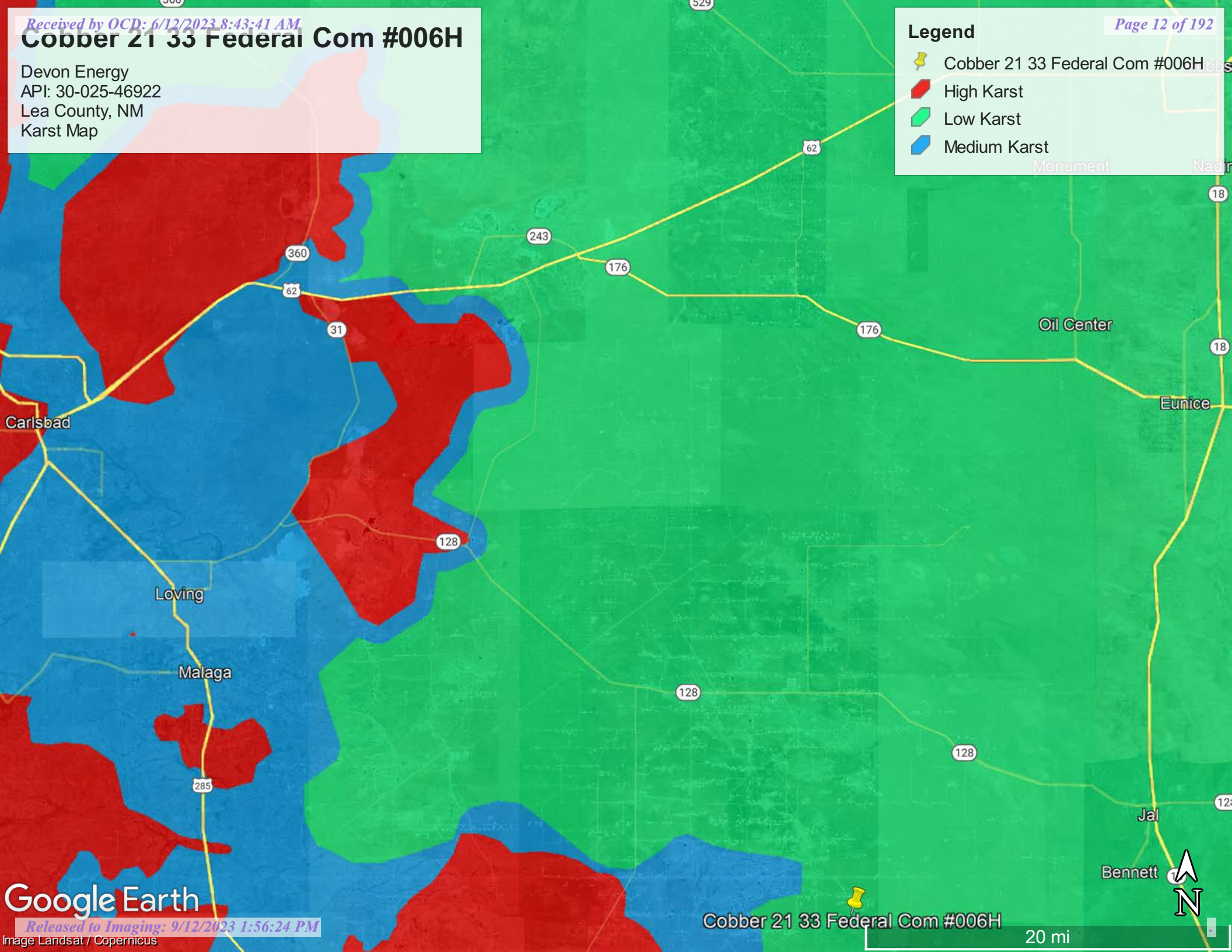
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Cobber 21 33 Federal Com #006H

Devon Energy
API: 30-025-46922
Lea County, NM
Karst Map

- Legend**
-  Cobber 21 33 Federal Com #006H
 -  High Karst
 -  Low Karst
 -  Medium Karst



Google Earth

Cobber 21 33 Federal Com #006H

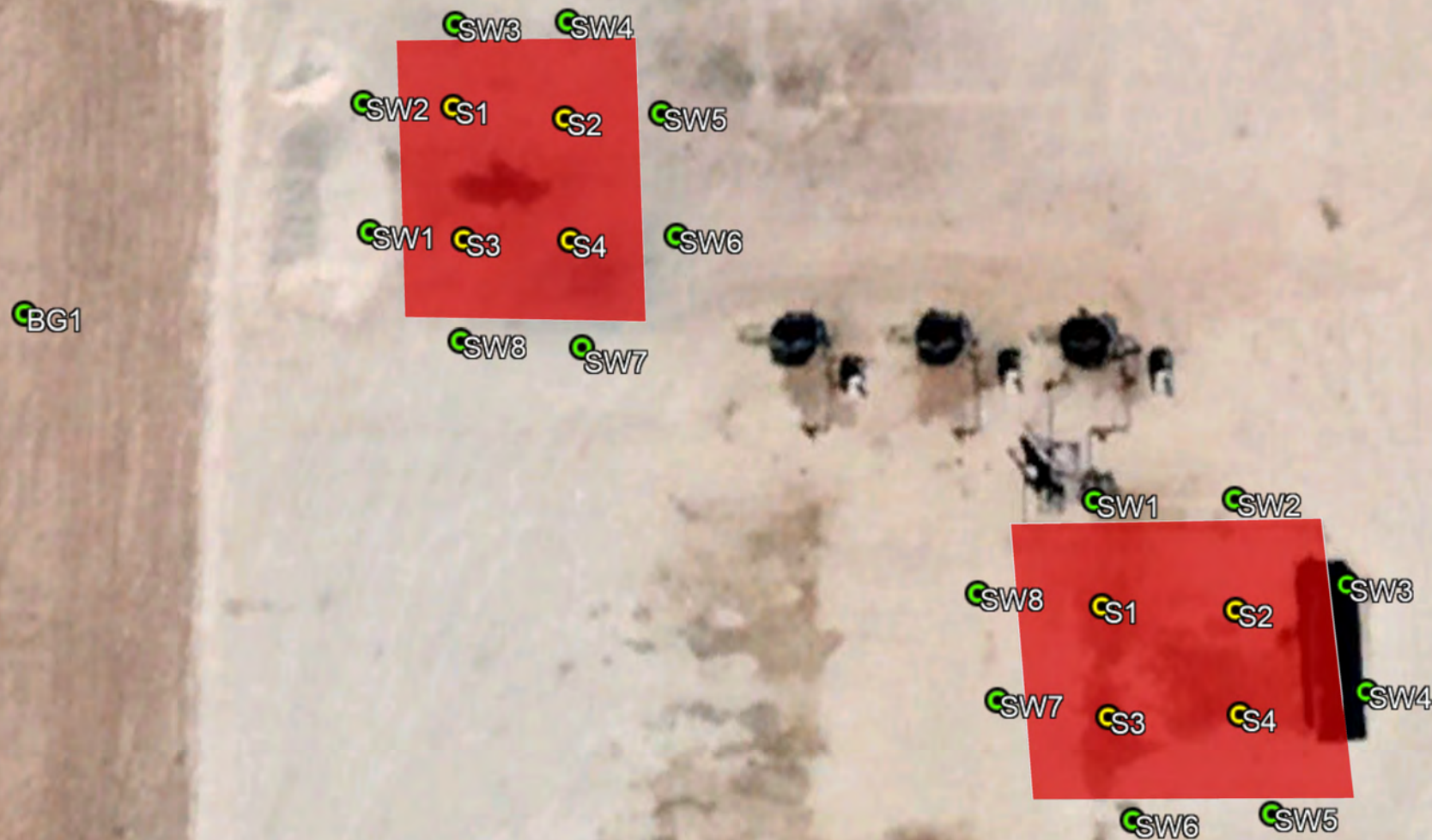
20 mi

Cobber 21-33 Federal Com 6H

Devon Energy
API: 30-025-46922
Lea County, NM
Site Map

Legend

- Background/Sidewalls
- Samples



Google Earth

Cobber 21-33 Federal Com 6H

Devon Energy
API: 30-025-46922
Lea County, NM
Confirmation Sample Map

Legend

- Confirmation Sidewalls
- Confirmation Samples

NCSW2 NCSW3 NCSW4
NCSW19 NCS1 NCS2 NCSW5
NCS3 NCS5 NCSW6
NCSW17 NCS4 NCSW7
NCS7 NCS8 NCSW8
NCSW15 NCS9 NCSW9
NCSW12 NCSW11 NCSW10

Cobber 21-33 Federal 6H

SCSW1 SCSW3 SCSW4 SCSW5
SCS1 SCS3 SCSW6
SCS4 SCS2 SCSW7
SCS7 SCS5 SCSW8
SCSW18 SCS8 SCSW9
SCSW17 SCS9 SCCS10
SCSW16 SCSW14 SCSW11
SCSW15 SCSW13



100 ft

Google Earth



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Q 3	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
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

UTMNAD83 Radius Search (in meters):

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:

Groundwater




Geographic Area:

United States



GO

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

Groundwater levels for the Nation



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

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

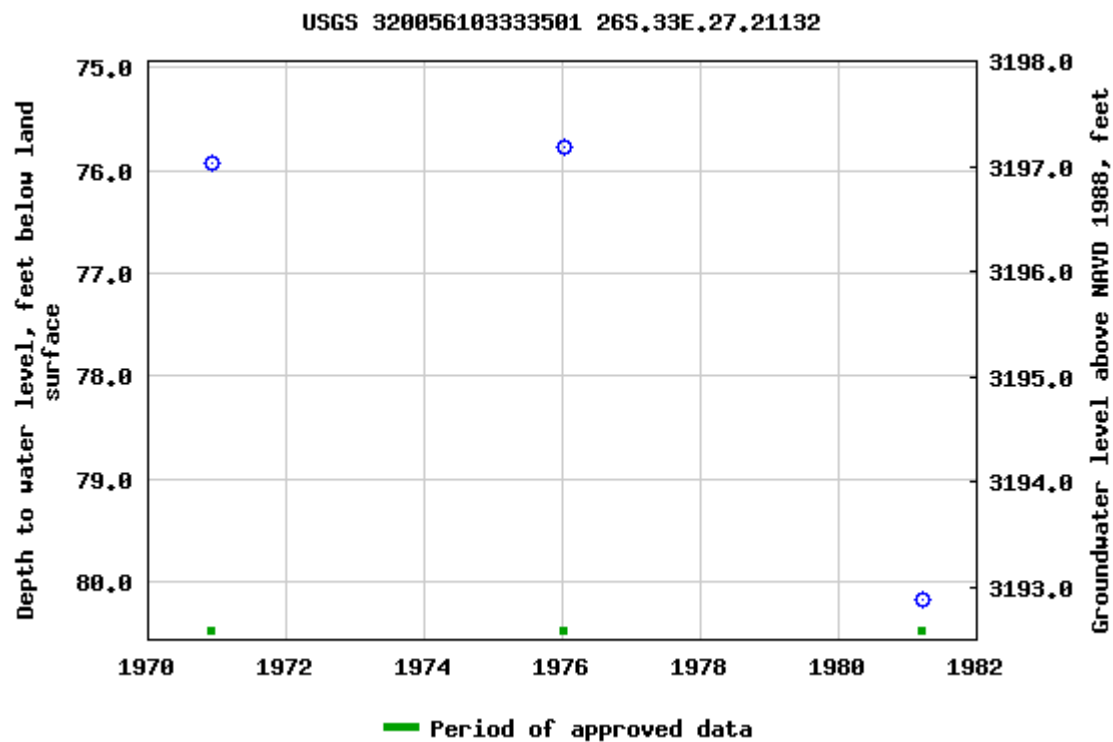
Latitude 32°00'56", Longitude 103°33'35" NAD27

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

[Table of data](#)
[Tab-separated data](#)
[Graph of data](#)
[Reselect period](#)


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

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

Title: Groundwater for USA: Water Levels

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



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



Page Last Modified: 2023-04-04 10:47:17 EDT

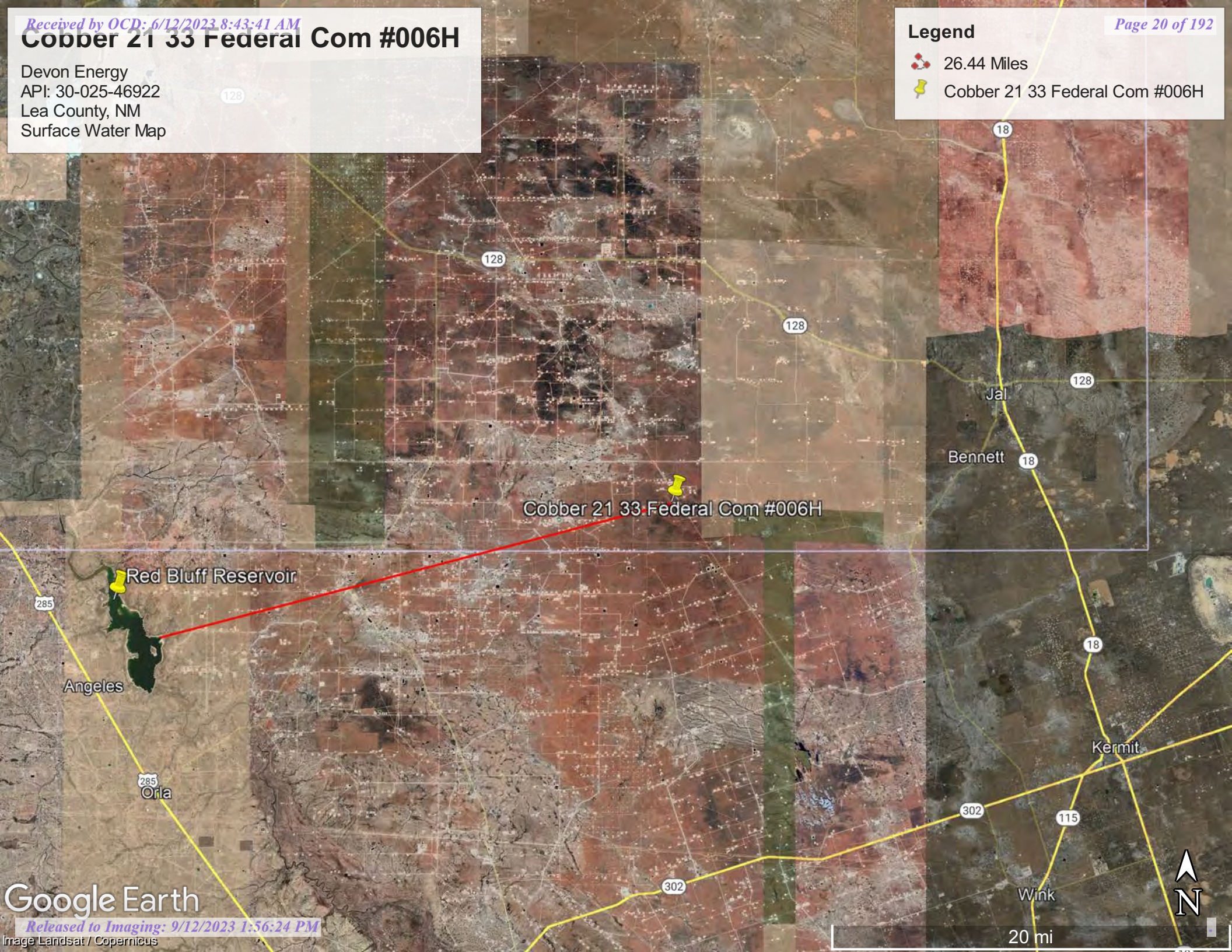
0.57 0.49 nadww02

Copper 21 33 Federal Com #006H

Devon Energy
API: 30-025-46922
Lea County, NM
Surface Water Map

Legend

-  26.44 Miles
-  Copper 21 33 Federal Com #006H





Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

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

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

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

Map Unit Description: Pyote and Maljamar fine sands---Lea County, New Mexico

Hydric soil rating: No

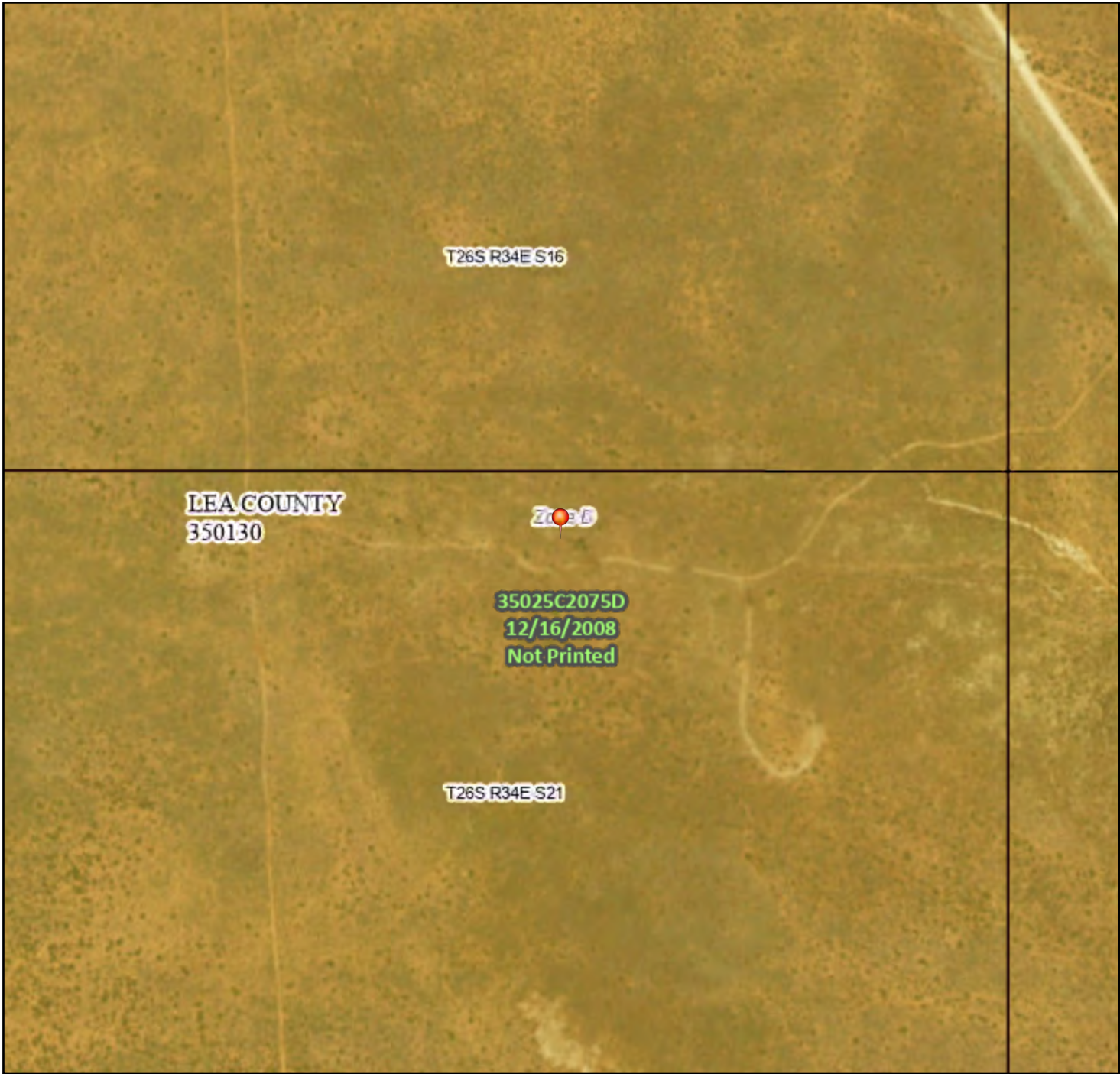
Data Source Information

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

National Flood Hazard Layer FIRMette



103°28'32"W 32°2'23"N



Legend

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

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

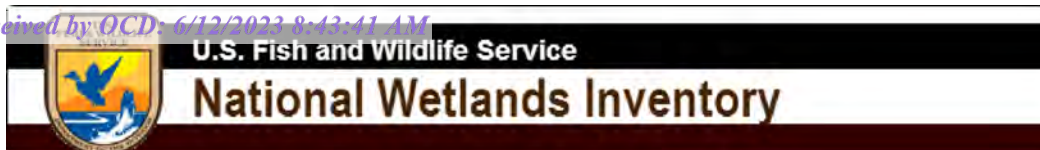


The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

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



Wetlands Map



April 4, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



Pima Environmental Services

Appendix C

C-141 Form

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

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-1838
Contact email dale.woodall@dvn.com	Incident # (assigned by OCD) nAPP2309133942
Contact mailing address 205 E. Bender Road # 150; Hobbs, NM 88240	

Location of Release Source

Latitude 32.035596 Longitude -103.470464
(NAD 83 in decimal degrees to 5 decimal places)

Site Name COBBER 21 33 FEDERAL COM #006H	Site Type oil
Date Release Discovered 3/28/2023	API# (if applicable) 30-025-46922

Unit Letter	Section	Township	Range	County
A	21	26S	34E	LEA

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

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input checked="" type="checkbox"/> Other (describe)	Volume/Weight Released (provide units) 9.6	Volume/Weight 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

Incident ID	nAPP2309133942
District RP	
Facility ID	
Application ID	

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

Initial Response

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

<p><input type="checkbox"/> The source of the release has been stopped.</p> <p><input type="checkbox"/> The impacted area has been secured to protect human health and the environment.</p> <p><input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.</p> <p><input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.</p>	
<p>If all the actions described above have <u>not</u> been undertaken, explain why:</p> 	
<p>Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.</p>	
<p>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.</p>	
<p>Printed Name: <u>Dale Woodall</u></p> <p>Signature: <u><i>Dale Woodall</i></u></p> <p>email: <u>dale.woodall@dvn.com</u></p>	<p>Title: <u>Environmental Professional</u></p> <p>Date: <u>4/7/2023</u></p> <p>Telephone: <u>575-748-1838</u></p>
<p><u>OCD Only</u></p> <p>Received by: <u>Jocelyn Harimon</u> Date: <u>04/10/2023</u></p>	

COBBER 21 33 FEDERAL COM #006H

OCD incident # nAPP2309133942

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

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

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

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

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

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

CONDITIONS

Action 205116

CONDITIONS

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

CONDITIONS

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

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

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

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

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

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

State of New Mexico
Oil Conservation Division

Page 4

Incident ID	nAPP2309133942
District RP	
Facility ID	
Application ID	

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

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

OCD Only

Received by: _____ Date: _____

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 items must be included in the closure report.*

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

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

Printed Name: Dale Woodall Title: Environmental Professional
Signature: Dale Woodall Date: 6/12/2023
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

--

Gio Gomez

Project Manager

cell-806-782-1151

Office- 575-964-7740

Pima Environmental Services, LLC.



Pima Environmental Services

Appendix D

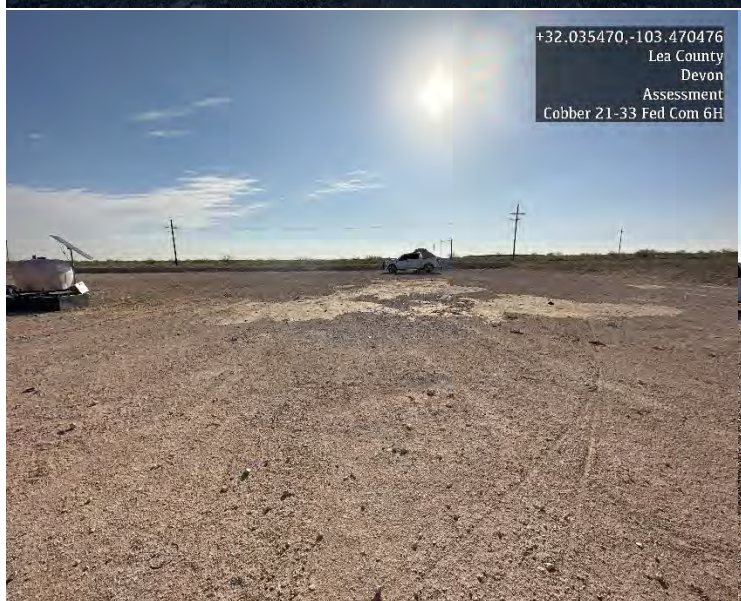
Photographic Documentation



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

Site Assessment







Excavation





Post Excavation





Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/17/23



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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

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

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

Field Offices:

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

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

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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	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.



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS1 - 1'

E304047-01

Analyte	Result	Reporting Limit	Dilution	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	100 %	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	102 %	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	100 %	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	102 %	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)	72.6	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	60.6	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane	117 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315044
Chloride	1250	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS1 - 2'

E304047-02

Analyte	Result	Reporting Limit	Dilution	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	99.5 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	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	99.5 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4	96.7 %	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)	172	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	214	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane	120 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315044
Chloride	132	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS1 - 3'

E304047-03

Analyte	Result	Reporting Limit	Dilution	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		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	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	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	ND	50.0	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	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS1 - 4'

E304047-04

Analyte	Result	Reporting Limit	Dilution	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		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		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		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		Analyst: RAS		Batch: 2315044
Chloride	ND	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS2 - 1'

E304047-05

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS2 - 2'

E304047-06

Analyte	Result	Reporting Limit	Dilution	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	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane		119 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315044
Chloride	126	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS2 - 3'

E304047-07

Analyte	Result	Reporting Limit	Dilution	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		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: 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		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: JL		Batch: 2315054
Diesel Range Organics (C10-C28)	39.4	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		121 %	50-200	04/11/23	04/13/23	
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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS2 - 4'

E304047-08

Analyte	Result	Reporting Limit	Dilution	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	99.7 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	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	99.7 %	70-130		04/11/23	04/13/23	
Surrogate: 1,2-Dichloroethane-d4	103 %	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	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
Surrogate: n-Nonane	118 %	50-200		04/11/23	04/13/23	
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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS3 - 1'

E304047-09

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS3 - 2'

E304047-10

Analyte	Result	Reporting Limit	Dilution	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		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
Chloride	132	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS3 - 3'

E304047-11

Analyte	Result	Reporting Limit	Dilution	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	99.4 %	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: RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0	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	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
Chloride	132	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS3 - 4'

E304047-12

Analyte	Result	Reporting Limit	Dilution	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		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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS4 - 1'

E304047-13

Analyte	Result	Reporting Limit	Dilution	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	97.9 %	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 - 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	97.9 %	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	04/11/23	04/14/23	
Oil Range Organics (C28-C36)	79.9	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: RAS		Batch: 2315044
Chloride	1300	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS4 - 2'

E304047-14

Analyte	Result	Reporting Limit	Dilution	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	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS4 - 3'

E304047-15

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NS4 - 4'

E304047-16

Analyte	Result	Reporting Limit	Dilution	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	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: RKS		Batch: 2315028
Gasoline Range Organics (C6-C10)	ND	20.0	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 - 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	111 %	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

**NSW1-
E304047-17**

Analyte	Result	Reporting Limit	Dilution	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	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	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	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

**NSW2-
E304047-18**

Analyte	Result	Reporting Limit	Dilution	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	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		Analyst: RKS		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		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		Analyst: RAS		Batch: 2315044
Chloride	ND	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

**NSW3-
E304047-19**

Analyte	Result	Reporting Limit	Dilution	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	97.6 %	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

**NSW4-
E304047-20**

Analyte	Result	Reporting Limit	Dilution	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	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: 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	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

SSW5

E304047-21

Analyte	Result	Reporting Limit	Dilution	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	04/13/23	
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	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: IY		Batch: 2315031
Gasoline Range Organics (C6-C10)	ND	20.0	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 - 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	111 %	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

SSW6

E304047-22

Analyte	Result	Reporting Limit	Dilution	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	04/13/23	
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		Analyst: IY		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		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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

SSW7

E304047-23

Analyte	Result	Reporting Limit	Dilution	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	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	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
Chloride	ND	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

SSW8

E304047-24

Analyte	Result	Reporting Limit	Dilution	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	94.6 %	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	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	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
Chloride	ND	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NSW5

E304047-25

Analyte	Result	Reporting Limit	Dilution	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	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	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	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
Chloride	ND	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NSW6

E304047-26

Analyte	Result	Reporting Limit	Dilution	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
Chloride	ND	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NSW7

E304047-27

Analyte	Result	Reporting Limit	Dilution	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	94.6 %	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		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		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		Analyst: BA		Batch: 2315042
Chloride	ND	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

NSW8

E304047-28

Analyte	Result	Reporting Limit	Dilution	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 2:09:18PM

BG1

E304047-29

Analyte	Result	Reporting Limit	Dilution	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	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		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		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		Analyst: BA		Batch: 2315042
Chloride	ND	20.0	1	04/11/23	04/12/23	



QC Summary Data

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

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315028-BLK1)

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.480		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-BS1)

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	2.46	0.0250	2.50		98.6	70-130			
Ethylbenzene	2.37	0.0250	2.50		94.7	70-130			
Toluene	2.41	0.0250	2.50		96.5	70-130			
o-Xylene	2.42	0.0250	2.50		96.8	70-130			
p,m-Xylene	4.80	0.0500	5.00		95.9	70-130			
Total Xylenes	7.22	0.0250	7.50		96.2	70-130			
Surrogate: Bromofluorobenzene	0.485		0.500		96.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike (2315028-MS1)

Source: E304047-02

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	2.39	0.0250	2.50	ND	95.8	48-131			
Ethylbenzene	2.28	0.0250	2.50	ND	91.1	45-135			
Toluene	2.31	0.0250	2.50	ND	92.5	48-130			
o-Xylene	2.34	0.0250	2.50	ND	93.7	43-135			
p,m-Xylene	4.61	0.0500	5.00	ND	92.3	43-135			
Total Xylenes	6.96	0.0250	7.50	ND	92.8	43-135			
Surrogate: Bromofluorobenzene	0.483		0.500		96.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.522		0.500		104	70-130			
Surrogate: Toluene-d8	0.501		0.500		100	70-130			

Matrix Spike Dup (2315028-MSD1)

Source: E304047-02

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	2.47	0.0250	2.50	ND	98.6	48-131	2.96	23	
Ethylbenzene	2.36	0.0250	2.50	ND	94.2	45-135	3.43	27	
Toluene	2.39	0.0250	2.50	ND	95.6	48-130	3.32	24	
o-Xylene	2.54	0.0250	2.50	ND	102	43-135	8.11	27	
p,m-Xylene	4.98	0.0500	5.00	ND	99.7	43-135	7.71	27	
Total Xylenes	7.52	0.0250	7.50	ND	100	43-135	7.84	27	
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.511		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

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315031-BLK1)

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.470		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-BS1)

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	2.26	0.0250	2.50		90.4	70-130			
Ethylbenzene	2.24	0.0250	2.50		89.8	70-130			
Toluene	2.23	0.0250	2.50		89.3	70-130			
o-Xylene	2.26	0.0250	2.50		90.3	70-130			
p,m-Xylene	4.46	0.0500	5.00		89.1	70-130			
Total Xylenes	6.71	0.0250	7.50		89.5	70-130			
Surrogate: Bromofluorobenzene	0.515		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.3	70-130			
Surrogate: Toluene-d8	0.508		0.500		102	70-130			

Matrix Spike (2315031-MS1)

Source: E304045-24

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	2.32	0.0250	2.50	ND	92.9	48-131			
Ethylbenzene	2.31	0.0250	2.50	ND	92.3	45-135			
Toluene	2.29	0.0250	2.50	ND	91.8	48-130			
o-Xylene	2.33	0.0250	2.50	ND	93.1	43-135			
p,m-Xylene	4.58	0.0500	5.00	ND	91.6	43-135			
Total Xylenes	6.91	0.0250	7.50	ND	92.1	43-135			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.477		0.500		95.3	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike Dup (2315031-MSD1)

Source: E304045-24

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	2.17	0.0250	2.50	ND	86.6	48-131	7.04	23	
Ethylbenzene	2.13	0.0250	2.50	ND	85.3	45-135	7.90	27	
Toluene	2.11	0.0250	2.50	ND	84.5	48-130	8.24	24	
o-Xylene	2.13	0.0250	2.50	ND	85.2	43-135	8.81	27	
p,m-Xylene	4.21	0.0500	5.00	ND	84.2	43-135	8.41	27	
Total Xylenes	6.34	0.0250	7.50	ND	84.5	43-135	8.55	27	
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.501		0.500		100	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315028-BLK1)

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



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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315031-BLK1)

Prepared: 04/11/23 Analyzed: 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)

Prepared: 04/11/23 Analyzed: 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			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.4	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			

Matrix Spike (2315031-MS2)

Source: E304045-24

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			

Matrix Spike Dup (2315031-MSD2)

Source: E304045-24

Prepared: 04/11/23 Analyzed: 04/13/23

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315054-BLK1)					Prepared: 04/11/23 Analyzed: 04/13/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.9		50.0		112	50-200			

LCS (2315054-BS1)					Prepared: 04/11/23 Analyzed: 04/13/23				
Diesel Range Organics (C10-C28)	265	25.0	250		106	38-132			
Surrogate: n-Nonane	54.1		50.0		108	50-200			

Matrix Spike (2315054-MS1)					Source: E304047-07		Prepared: 04/11/23 Analyzed: 04/13/23		
Diesel Range Organics (C10-C28)	299	25.0	250	39.4	104	38-132			
Surrogate: n-Nonane	54.8		50.0		110	50-200			

Matrix Spike Dup (2315054-MSD1)					Source: E304047-07		Prepared: 04/11/23 Analyzed: 04/13/23		
Diesel Range Organics (C10-C28)	297	25.0	250	39.4	103	38-132	0.674	20	
Surrogate: n-Nonane	53.8		50.0		108	50-200			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315055-BLK1)					Prepared: 04/11/23 Analyzed: 04/14/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	55.6		50.0		111	50-200			

LCS (2315055-BS1)					Prepared: 04/11/23 Analyzed: 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: 04/11/23 Analyzed: 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: 04/11/23 Analyzed: 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			



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

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2315042-BLK1)					Prepared: 04/11/23 Analyzed: 04/12/23				
Chloride	ND	20.0							
LCS (2315042-BS1)					Prepared: 04/11/23 Analyzed: 04/12/23				
Chloride	246	20.0	250		98.4	90-110			
Matrix Spike (2315042-MS1)					Source: E304045-21		Prepared: 04/11/23 Analyzed: 04/12/23		
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2315042-MSD1)					Source: E304045-21		Prepared: 04/11/23 Analyzed: 04/12/23		
Chloride	249	20.0	250	ND	99.5	80-120	0.370	20	



QC Summary Data

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

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315044-BLK1)					Prepared: 04/11/23 Analyzed: 04/12/23				
Chloride	ND	20.0							
LCS (2315044-BS1)					Prepared: 04/11/23 Analyzed: 04/12/23				
Chloride	250	20.0	250		99.8	90-110			
Matrix Spike (2315044-MS1)					Source: E304047-01		Prepared: 04/11/23 Analyzed: 04/12/23		
Chloride	1430	20.0	250	1250	74.3	80-120			M2
Matrix Spike Dup (2315044-MSD1)					Source: E304047-01		Prepared: 04/11/23 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.

Project Information

Chain of Custody

Page 3 of 5

Client: Pima Environmental Services Project: <u>Copper 21-33 CoH</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>287</u>					Lab Use Only Lab WO# <u>E304047</u> Job Number <u>010580007</u> Analysis and Method					TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA State NM CO UT AZ TX <u>X</u>	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks						
8:00	4/7/23	S	1	NS1-1'	1							X								
8:05				NS1-2'	2															
8:10				NS1-3'	3															
8:15				NS1-4'	4															
8:20				NS2-1'	5															
8:25				NS2-2'	6															
8:30				NS2-3'	7															
8:35				NS2-4'	8															
8:40				NS3-1'	9															
8:45	✓	✓	✓	NS3-2'	10							✓								
Additional Instructions: <u>Bill to Devon Energy: 21146774</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: <u>Andrew Franco</u>																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.																				
Relinquished by: (Signature) <u>APB</u>		Date <u>4-10-23</u>		Time <u>2:00</u>		Received by: (Signature) <u>Michelle Gump</u>		Date <u>4-10-23</u>		Time <u>1640</u>		Lab Use Only Received on ice: <u>Y</u> / N								
Relinquished by: (Signature) <u>Michelle Gump</u>		Date <u>4-10-23</u>		Time <u>1830</u>		Received by: (Signature) <u>Laurenz Leu</u>		Date <u>4-10-23</u>		Time <u>1830</u>		T1: T2: T3:								
Relinquished by: (Signature) <u>Laurenz Leu</u>		Date <u>4-11-23</u>		Time <u>2415</u>		Received by: (Signature) <u>Alina</u>		Date <u>4-11-23</u>		Time <u>7:15</u>		AVG Temp °C <u>4</u>								
Sample Matrix: <u>S</u> - Soil, <u>sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other																				
Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

envirotech

Project Information

Chain of Custody

Page 4 of 5

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Cobber 21-33 GH</u>		Attention: <u>Devon</u>		Lab WO# <u>E304047</u>		Job Number <u>010580007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.		City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip Hobbs, NM, 88240		Phone:										Chloride 300.0	
Phone: 580-748-1613		Email:										BGDOC NM	
Email: tom@pimaoil.com		Pima Project # <u>287</u>										BGDOC TX	
Report due by:												State	
												NM CO UT AZ TX	
												Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:50	9/7/23	S	1	NS3-3'	11							X		
8:55				NS3-4'	12									
9:00				NS4-1'	13									
9:05				NS4-2'	14									
9:10				NS4-3'	15									
9:15				NS4-4'	16									
9:20				NSW1-	17									
9:25				NSW2-	18									
9:30				NSW3-	19									
9:35	✓	✓	✓	NSW4-	20							✓		

Additional Instructions:

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

Bill to Devon Energy: 21146774
 Sampled by: Andrew Franco

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature) <u>AS</u>	Date <u>4-10-23</u>	Time <u>2:00</u>	Received by: (Signature) <u>Michelle Cuyk</u>	Date <u>4-10-23</u>	Time <u>1640</u>	Received on ice: <u>Y</u> N
Relinquished by: (Signature) <u>Michelle Cuyk</u>	Date <u>4-10-23</u>	Time <u>1830</u>	Received by: (Signature) <u>Lawrence Lewis</u>	Date <u>4-10-23</u>	Time <u>1830</u>	T1 T2 T3
Relinquished by: (Signature) <u>Lawrence Lewis</u>	Date <u>4-11-23</u>	Time <u>2415</u>	Received by: (Signature) <u>Andrew</u>	Date <u>4-11-23</u>	Time <u>7:15</u>	AVG Temp °C <u>4</u>

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

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

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

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Project Information

Chain of Custody

Page 5 of 5

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program						
Project: <u>Copper 21-33 OH</u>					Attention: <u>Devon</u>		Lab WO# <u>E304047</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA			
Project Manager: Tom Bynum					Address:		Analysis and Method							RCRA					
Address: 5614 N. Lovington Hwy.					City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010		Chloride 300.0		
City, State, Zip: Hobbs, NM, 88240					Phone:														
Phone: 580-748-1613					Email:														
Email: tom@pimaoil.com					Pima Project # <u>287</u>														
Report due by:																			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	State				Remarks	
11:20	4/7/23	S	1	SSW5	21							X		NM	CO	UT	AZ	TX	
11:25				SSW6	22														
11:30				SSW7	23														
11:35				SSW8	24														
11:40				NSW5	25														
11:45				NSW6	26														
11:50				NSW7	27														
11:55				NSW8	28														
12:00				BG1	29														

Additional Instructions:

Bill to Devon Energy: 21146774

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

Sampled by: Andrew Franco

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

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<u>[Signature]</u>	4-10-23	2:00	<u>Michelle Cuyk</u>	4-10-23	1640	Received on ice: <u>Y</u> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1
<u>Michelle Cuyk</u>	4-10-23	1830	<u>Lorenza Lei</u>	4-10-23	1830	T2
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T3
<u>Lorenza Lei</u>	4-11-23	2415	<u>Alena</u>	4-11-23	7:15	AVG Temp °C <u>4</u>

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

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

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

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Envirotech Analytical Laboratory

Printed: 4/11/2023 1:25:35PM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	04/11/23 07:15	Work Order ID:	E304047
Phone:	(575) 631-6977	Date Logged In:	04/11/23 08:56	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	04/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 4/17/23

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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
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Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

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	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.



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS1 - 1'

E304046-01

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.6 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	95.7 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	574	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS1 - 2'

E304046-02

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	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)	34.9	25.0	1	04/11/23	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
	99.7 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	138	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS1 - 3'

E304046-03

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.5 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.1 %	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	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
	94.2 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	28.6	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS1 - 4'

E304046-04

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.7 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.7 %	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	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
	97.0 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS2 - 1'

E304046-05

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.7 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.2 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	93.9 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	768	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS2 - 2'

E304046-06

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.9 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	99.5 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	120	20.0	1	04/11/23	04/12/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS2 - 3'

E304046-07

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	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	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
		99.4 %	50-200	04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315043	
Chloride	31.7	20.0	1	04/11/23	04/13/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS2 - 4'

E304046-08

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.5 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	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	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
	96.7 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/13/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS3 - 1'

E304046-09

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	94.3 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	1400	20.0	1	04/11/23	04/13/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS3 - 2'

E304046-10

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.2 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	99.8 %	50-200		04/11/23	04/13/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	130	20.0	1	04/11/23	04/13/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS3 - 3'

E304046-11

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	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	04/13/23	
Oil Range Organics (C28-C36)	ND	50.0	1	04/11/23	04/13/23	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	04/11/23	04/13/23	
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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS3 - 4'

E304046-12

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.3 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.2 %	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	
<i>Surrogate: n-Nonane</i>						
	97.9 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/13/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS4 - 1'

E304046-13

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.8 %	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)	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	
<i>Surrogate: n-Nonane</i>						
	94.0 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2315043	
Chloride	797	20.0	1	04/11/23	04/13/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS4 - 2'

E304046-14

Analyte	Result	Reporting 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	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	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	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	1	04/11/23	04/14/23	
<i>Surrogate: n-Nonane</i>						
	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	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS4 - 3'

E304046-15

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



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SS4 - 4'

E304046-16

Analyte	Result	Reporting 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	04/14/23	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		04/12/23	04/14/23	
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	04/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.0 %	70-130		04/12/23	04/14/23	
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	
<i>Surrogate: n-Nonane</i>						
	99.7 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/13/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SSW1

E304046-17

Analyte	Result	Reporting 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	04/14/23	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		04/12/23	04/14/23	
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	04/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.4 %	70-130		04/12/23	04/14/23	
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	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/13/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SSW2

E304046-18

Analyte	Result	Reporting 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	04/14/23	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.3 %	70-130		04/12/23	04/14/23	
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	04/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.4 %	70-130		04/12/23	04/14/23	
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	
<i>Surrogate: n-Nonane</i>						
	99.9 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/13/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SSW3

E304046-19

Analyte	Result	Reporting 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	04/14/23	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.5 %	70-130		04/12/23	04/14/23	
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	04/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.1 %	70-130		04/12/23	04/14/23	
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	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/13/23	



Sample Data

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

Project Name: Cobber 21-33 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
4/17/2023 1:17:55PM

SSW4

E304046-20

Analyte	Result	Reporting 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	04/14/23	
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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.7 %	70-130		04/12/23	04/14/23	
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	04/14/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.6 %	70-130		04/12/23	04/14/23	
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	
<i>Surrogate: n-Nonane</i>						
	99.6 %	50-200		04/11/23	04/14/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2315043
Chloride	ND	20.0	1	04/11/23	04/13/23	



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 1:17:55PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315027-BLK1)

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.64		8.00		95.5	70-130			

LCS (2315027-BS1)

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	4.54	0.0250	5.00		90.8	70-130			
Ethylbenzene	4.52	0.0250	5.00		90.4	70-130			
Toluene	4.65	0.0250	5.00		92.9	70-130			
o-Xylene	4.61	0.0250	5.00		92.2	70-130			
p,m-Xylene	9.21	0.0500	10.0		92.1	70-130			
Total Xylenes	13.8	0.0250	15.0		92.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.61		8.00		95.1	70-130			

Matrix Spike (2315027-MS1)

Source: E304046-03

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	4.58	0.0250	5.00	ND	91.5	54-133			
Ethylbenzene	4.57	0.0250	5.00	ND	91.4	61-133			
Toluene	4.69	0.0250	5.00	ND	93.9	61-130			
o-Xylene	4.67	0.0250	5.00	ND	93.3	63-131			
p,m-Xylene	9.29	0.0500	10.0	ND	92.9	63-131			
Total Xylenes	14.0	0.0250	15.0	ND	93.0	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.95		8.00		99.3	70-130			

Matrix Spike Dup (2315027-MSD1)

Source: E304046-03

Prepared: 04/11/23 Analyzed: 04/13/23

Benzene	3.85	0.0250	5.00	ND	76.9	54-133	17.4	20	
Ethylbenzene	3.83	0.0250	5.00	ND	76.5	61-133	17.8	20	
Toluene	3.93	0.0250	5.00	ND	78.7	61-130	17.6	20	
o-Xylene	3.91	0.0250	5.00	ND	78.1	63-131	17.7	20	
p,m-Xylene	7.81	0.0500	10.0	ND	78.1	63-131	17.3	20	
Total Xylenes	11.7	0.0250	15.0	ND	78.1	63-131	17.5	20	
Surrogate: 4-Bromochlorobenzene-PID	8.04		8.00		101	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 1:17:55PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315027-BLK1)

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



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2315053-BLK1)					Prepared: 04/11/23 Analyzed: 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: 04/11/23 Analyzed: 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: E304046-03		Prepared: 04/11/23 Analyzed: 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: E304046-03		Prepared: 04/11/23 Analyzed: 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			



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 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	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2315043-BLK1)					Prepared: 04/11/23 Analyzed: 04/12/23				
Chloride	ND	20.0							
LCS (2315043-BS1)					Prepared: 04/11/23 Analyzed: 04/12/23				
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2315043-MS1)					Source: E304046-01		Prepared: 04/11/23 Analyzed: 04/12/23		
Chloride	991	20.0	250	574	167	80-120			M2
Matrix Spike Dup (2315043-MSD1)					Source: E304046-01		Prepared: 04/11/23 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

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 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.



Project Information

Chain of Custody

Page 1 of 5

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program					
Project: Copper 21-33 GtH		Attention: Devon		Lab WO# E 304046		Job Number 0105860007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		Analysis and Method									
Address: 5614 N. Lovington Hwy.		City, State, Zip											RCRA
City, State, Zip: Hobbs, NM, 88240		Phone:											
Phone: 580-748-1613		Email:											
Email: tom@pimaoil.com		Pima Project # 287											
Report due by:													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:40	4/7/23	S	1	SS1-1'	1							X		
9:45				SS1-2'	2									
9:50				SS1-3'	3									
9:55				SS1-4'	4									
10:00				SS2-1'	5									
10:05				SS2-2'	6									
10:10				SS2-3'	7									
10:15				SS2-4'	8									
10:20				SS3-1'	9									
10:25	↓	↓	↓	SS3-2'	10							↓		

Additional Instructions:

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

Sampled by:

Andrew Franco

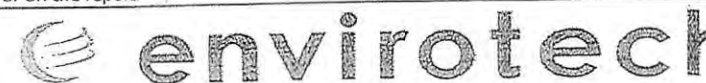
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
<i>AB</i>	4-10-23	2:00	<i>Nichelle Ely</i>	4-10-23	1640	Received on ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T1
<i>Nichelle Ely</i>	4-10-23	1830	<i>Lucy Lee</i>	4-10-23	1830	T2
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	T3
<i>Lucy Lee</i>	4-11-23	2415	<i>Ally</i>	4-11-23	7:15	AVG Temp °C 4

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

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

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



Project Information

Chain of Custody

Page 2 of 5

Client: Pima Environmental Services		Bill To		Lab Use Only		TAT		EPA Program					
Project: <u>Cobber 21-33 GH</u>		Attention: <u>Devon</u>		Lab WO# <u>E304046</u>		Job Number		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum		Address:		Analysis and Method							X		
Address: 5614 N. Lovington Hwy.		City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTEX by 8021		VOC by 8260		Metals 6010	
City, State, Zip: Hobbs, NM, 88240		Phone:										Chloride 300.0	
Phone: 580-748-1613		Email:										BGDOC NM	
Email: tom@pimaoil.com		Pima Project # <u>287</u>										BGDOC TX	
Report due by:												State	
												NM CO UT AZ TX	
												Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
10:30	4/7/23	S	1	SS3-3'	11							X		
10:35				SS3-4'	12									
10:40				SS4-1'	13									
10:45				SS4-2'	14									
10:50				SS4-3'	15									
10:55				SS4-4'	16									
11:00				SSW1	17									
11:05				SSW2	18									
11:10				SSW3	19									
11:15	✓	✓	✓	SSW4	20							✓		

Additional Instructions:

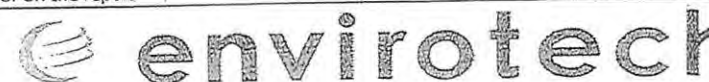
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by: Andrew Franco

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days.

Relinquished by: (Signature) <u>AS</u>	Date <u>4-10-23</u> Time <u>2:00</u>	Received by: (Signature) <u>Michelle Eubank</u>	Date <u>4-10-23</u> Time <u>16:40</u>	Received on ice: <u>Y</u> N
Relinquished by: (Signature) <u>Michelle Eubank</u>	Date <u>4-10-23</u> Time <u>1830</u>	Received by: (Signature) <u>Lucrecia Leri</u>	Date <u>4-10-23</u> Time <u>1830</u>	T1 T2 T3
Relinquished by: (Signature) <u>Lucrecia Leri</u>	Date <u>4-11-23</u> Time <u>2415</u>	Received by: (Signature) <u>Ally</u>	Date <u>4-11-23</u> Time <u>7:15</u>	AVG Temp °C <u>4</u>
Sample Matrix: <u>S</u> - Soil, <u>Sd</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other		Container Type: <u>G</u> - glass, <u>P</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - VOA		

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



Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.**If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.**

Client:	Pima Environmental Services-Carlsbad	Date Received:	04/11/23 07:15	Work Order ID:	E304046
Phone:	(575) 631-6977	Date Logged In:	04/11/23 08:53	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	04/17/23 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

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

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: 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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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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	
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.



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCS1
E306019-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2322084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.9 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		06/03/23	06/03/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2322070	
Chloride	ND	20.0	1	06/02/23	06/03/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCS2

E306019-02

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCS3

E306019-03

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCS4

E306019-04

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCS5

E306019-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	94.5 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2322084	
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	93.1 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: 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	
<i>Surrogate: n-Nonane</i>	97.0 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: RAS		Batch: 2322070	
Chloride	ND	20.0	1	06/02/23	06/03/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCS6

E306019-06

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCS7

E306019-07

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCS8

E306019-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.9 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	95.6 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCS9

E306019-09

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCS10

E306019-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	95.0 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCSW1

E306019-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.4 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	96.7 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCSW2
E306019-12

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCSW3

E306019-13

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCSW4

E306019-14

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCSW5

E306019-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.9 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	94.1 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	95.9 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/03/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCSW6

E306019-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.0 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/03/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.7 %	70-130		06/03/23	06/03/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	96.6 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCSW7

E306019-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2322084
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	94.9 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322070
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCSW8

E306019-18

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCSW9

E306019-19

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:25:06PM

WCSW10

E306019-20

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



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

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322084-BLK1)

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

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.67		8.00		95.8	70-130			

LCS (2322084-BS1)

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

Benzene	4.58	0.0250	5.00		91.5	70-130			
Ethylbenzene	4.58	0.0250	5.00		91.5	70-130			
Toluene	4.71	0.0250	5.00		94.1	70-130			
o-Xylene	4.67	0.0250	5.00		93.4	70-130			
p,m-Xylene	9.30	0.0500	10.0		93.0	70-130			
Total Xylenes	14.0	0.0250	15.0		93.1	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.58		8.00		94.8	70-130			

Matrix Spike (2322084-MS1)

Source: E306019-03

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

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

Prepared: 06/03/23 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: 6/5/2023 2:25:06PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322084-BLK1) Prepared: 06/03/23 Analyzed: 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: 06/03/23 Analyzed: 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: 06/03/23 Analyzed: 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: 06/03/23 Analyzed: 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: 6/5/2023 2:25:06PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322090-BLK1)					Prepared: 06/03/23 Analyzed: 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: 06/03/23 Analyzed: 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: 06/03/23 Analyzed: 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: 06/03/23 Analyzed: 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			



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

Anions by EPA 300.0/9056A

Analyst: RAS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322070-BLK1)					Prepared: 06/02/23 Analyzed: 06/03/23				
Chloride	ND	20.0							
LCS (2322070-BS1)					Prepared: 06/02/23 Analyzed: 06/03/23				
Chloride	243	20.0	250		97.2	90-110			
LCS Dup (2322070-BSD1)					Prepared: 06/02/23 Analyzed: 06/03/23				
Chloride	248	20.0	250		99.4	90-110	2.15	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 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.



Chain of Custody

Client: Pima Environmental Services Project: <u>Copper 22.23 Fed. Com 6H</u> Project Manager: <u>Tom Bynum</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>580-748-1613</u> Email: <u>tom@pimaoil.com</u> Report due by: _____					Bill To: <u>Devon</u> Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>287</u>					Lab Use Only Lab WO# <u>E 306019</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGD OC NM BGD OC TX					TAT 1D <input checked="" type="checkbox"/> 2D <input type="checkbox"/> 3D <input type="checkbox"/> Standard <input type="checkbox"/> EPA Program CWA <input type="checkbox"/> SDWA <input type="checkbox"/> RCRA <input type="checkbox"/> State NM <input checked="" type="checkbox"/> CO <input type="checkbox"/> UT <input type="checkbox"/> AZ <input type="checkbox"/> TX <input type="checkbox"/>			
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks		
9:30	6/2/23	S	1	NCS 1	1													
9:35				NCS 2	2													
9:40				NCS 3	3													
9:45				NCS 4	4													
9:50				NCS 5	5													
9:55				NCS 6	6													
10:00				NCS 7	7													
10:05				NCS 8	8													
10:10				NCS 9	9													
10:15				NCS 10	10													
Additional Instructions: <u>B# 21146774</u>																		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																		
Relinquished by: (Signature) <u>Kerime Adame</u> Date <u>6/2/23</u> Time <u>2:30</u>					Received by: (Signature) <u>Waller Key</u> Date <u>6-2-23</u> Time <u>1:430</u>					Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature) <u>Waller Key</u> Date <u>6-2-23</u> Time <u>1:800</u>					Received by: (Signature) <u>Andrew M...</u> Date <u>6-2-23</u> Time <u>1:800</u>					Lab Use Only Received on ice: <u>Y</u> N								
Relinquished by: (Signature) <u>Andrew M...</u> Date <u>6-2-23</u> Time <u>2:345</u>					Received by: (Signature) <u>Waller Key</u> Date <u>6/3/23</u> Time <u>0015</u>					T1 _____ T2 _____ T3 _____ AVG Temp °C: <u>4</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____																		
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																		
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																		

Project Information

Chain of Custody

Page 2 of 6

Client: Pima Environmental Services Project: <u>Copper # 2223 Rd. Com 6H</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>287</u>					Lab Use Only Lab WO# <u>E306019</u> Job Number <u>01058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM BGDOC TX					TAT 1D 2D 3D Standard <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				EPA Program CWA SDWA RCRA State NM CO UT AZ TX <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
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	NM	BGDOC	TX	Remarks					
10:20	6/1/23	S	1	NCSW 1	11								X							
10:25				NCSW 2	12															
10:30				NCSW 3	13															
10:35				NCSW 4	14															
10:40				NCSW 5	15															
10:45				NCSW 6	16															
10:50				NCSW 7	17															
10:55				NCSW 8	18															
11:00				NCSW 9	19															
11:05 AM				NCSW 10	20															
Additional Instructions: <u>B# 21146774</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature) <u>Varine Adams</u>		Date <u>6/2/23</u>		Time <u>230</u>		Received by: (Signature) <u>Michelle Camp</u>		Date <u>6-2-23</u>		Time <u>1430</u>		Lab Use Only Received on ice: <u>Y</u> <u>N</u>								
Relinquished by: (Signature) <u>Michelle Camp</u>		Date <u>6-2-23</u>		Time <u>1800</u>		Received by: (Signature) <u>Andrew Maso</u>		Date <u>6-2-23</u>		Time <u>1900</u>		T1 T2 T3								
Relinquished by: (Signature) <u>Andrew Maso</u>		Date <u>6-2-23</u>		Time <u>2345</u>		Received by: (Signature) <u>Andrew Maso</u>		Date <u>6/3/23</u>		Time <u>0015</u>		AVG Temp °C <u>4</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/03/23 00:15	Work Order ID:	E306019
Phone:	(575) 631-6977	Date Logged In:	06/02/23 17:08	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	06/05/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project Cobber 22-23 Fed Com 6H has been separated into 3 reports due to sample volume. Workorders are as follows: E306019, E306020, E306021.

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 1 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Copper</u> <u>6/12/23</u> <u>Feb-Com6H</u>					Attention: <u>Devon</u>		Lab WO# <u>E 300019</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip <u>Hobbs, NM. 88240</u>					Phone:											
Phone: 580-748-1613					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>287</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State		
														NM	CO	UT
														Remarks		
9:30	6/12/23	S	1	NCS 1	1							X		Spoke with		
9:35				NCS 2	2									Client all		
9:40				NCS 3	3									Sample names		
9:45				NCS 4	4									Should start		
9:50				NCS 5	5									with W not M.		
9:55				NCS 6	6									6/5/23 CM		
10:00				NCS 7	7											
10:05				NCS 8	8											
10:10				NCS 9	9											
10:15				NCS 10	10											
Additional Instructions: <u>B# 21146774</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Kerime Adams</u>		<u>6/12/23</u>	<u>230</u>	<u>Muelle</u>		<u>6-2-23</u>	<u>1430</u>	Received on ice: <u>Y</u> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>Muelle</u>		<u>6-2-23</u>	<u>1800</u>	<u>Andrew Messo</u>		<u>6-2-23</u>	<u>1800</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C								
<u>Andrew Messo</u>		<u>6-2-23</u>	<u>2345</u>	<u>Andrew</u>		<u>6/3/23</u>	<u>0015</u>	<u>4</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																


envirotech

Project Information

Chain of Custody

Page 2 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>CORNER 22.23 Rd. COM 6H</u>					Attention: <u>Devon</u>		Lab WO# <u>E306019</u>		Job Number <u>0058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip: Hobbs, NM, 88240					Phone:											
Phone: 580-748-1613					Email:											
Email: tom@pimaoil.com					Pima Project # <u>287</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		NM	TX	State	
													BGDOC	BGDOC	NM CO UT AZ TX	
															Remarks	
10:20	6/1/23	S	1	NCSW 1	11								X			
10:25				NCSW 2	12											
10:30				NCSW 3	13											
10:35				NCSW 4	14											
10:40				NCSW 5	15											
10:45				NCSW 6	16											
10:50				NCSW 7	17											
10:55				NCSW 8	18											
11:00				NCSW 9	19											
11:05				NCSW 10	20											
Additional Instructions: <u>BH 21146774</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Varine Adams</u>		<u>6/2/23</u>	<u>230</u>	<u>Michelle Camp</u>		<u>6-2-23</u>	<u>1430</u>	Received on ice: <u>Y</u> <u>N</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____								
<u>Michelle Camp</u>		<u>6-2-23</u>	<u>1800</u>	<u>Andrew Mayo</u>		<u>6-2-23</u>	<u>1900</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>Andrew Mayo</u>		<u>6-2-23</u>	<u>2345</u>	<u>Michelle Camp</u>		<u>6/3/23</u>	<u>0015</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																


envirotech

Report to:
Tom Bynum



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

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 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 regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

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

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

Respectfully,

Walter Hinchman
Laboratory Director
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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	
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.



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

WCSW 11

E306020-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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		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	91.6 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

WCSW 12

E306020-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.3 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

WCSW 13

E306020-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.7 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.2 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

WCSW 14

E306020-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.4 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.4 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	121 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

WCSW 15

E306020-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.3 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

WCSW 16

E306020-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.6 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

WCSW 17

E306020-07

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

WCSW 18

E306020-08

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

WCSW 19

E306020-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	122 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

WCSW 20

E306020-10

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

SCS 1

E306020-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.9 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	119 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

SCS 2

E306020-12

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

SCS 3

E306020-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.3 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	118 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

SCS 4

E306020-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.6 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	117 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

SCS 5

E306020-15

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

SCS 6

E306020-16

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

SCS 7

E306020-17

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

SCS 8

E306020-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: SL		Batch: 2322085
Gasoline Range Organics (C6-C10)	ND	20.0	1	06/03/23	06/04/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.2 %	70-130		06/03/23	06/04/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: 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	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		06/03/23	06/04/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2322071
Chloride	ND	20.0	1	06/02/23	06/04/23	



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

SCS 9

E306020-19

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



Sample Data

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

Project Name: Cobber 22-23 Fed. Com 6H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
6/5/2023 2:30:51PM

SCS 10

E306020-20

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



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

Volatile Organics by EPA 8021B

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322085-BLK1)

Prepared: 06/03/23 Analyzed: 06/04/23

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			

LCS (2322085-BS1)

Prepared: 06/03/23 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			
p,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: 06/03/23 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			
Toluene	4.85	0.0250	5.00	ND	96.9	61-130			
o-Xylene	4.80	0.0250	5.00	ND	95.9	63-131			
p,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: 06/03/23 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	
p,m-Xylene	9.82	0.0500	10.0	ND	98.2	63-131	3.16	20	
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131	3.18	20	
Surrogate: 4-Bromochlorobenzene-PID	7.65		8.00		95.6	70-130			



QC Summary Data

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

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: SL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322085-BLK1) Prepared: 06/03/23 Analyzed: 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: 06/03/23 Analyzed: 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: 06/03/23 Analyzed: 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: 06/03/23 Analyzed: 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

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: JL

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2322091-BLK1)

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

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: <i>n</i> -Nonane	59.0		50.0		118	50-200			

LCS (2322091-BS1)

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

Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: <i>n</i> -Nonane	56.7		50.0		113	50-200			

Matrix Spike (2322091-MS1)

Source: E306020-20

Prepared: 06/03/23 Analyzed: 06/04/23

Diesel Range Organics (C10-C28)	289	25.0	250	ND	116	38-132			
Surrogate: <i>n</i> -Nonane	57.1		50.0		114	50-200			

Matrix Spike Dup (2322091-MSD1)

Source: E306020-20

Prepared: 06/03/23 Analyzed: 06/04/23

Diesel Range Organics (C10-C28)	282	25.0	250	ND	113	38-132	2.50	20	
Surrogate: <i>n</i> -Nonane	56.2		50.0		112	50-200			



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

Anions by EPA 300.0/9056A

Analyst: RAS

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

Blank (2322071-BLK1)					Prepared: 06/02/23 Analyzed: 06/04/23				
Chloride	ND	20.0							
LCS (2322071-BS1)					Prepared: 06/02/23 Analyzed: 06/04/23				
Chloride	240	20.0	250		96.2	90-110			
LCS Dup (2322071-BSD1)					Prepared: 06/02/23 Analyzed: 06/04/23				
Chloride	245	20.0	250		97.8	90-110	1.70	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 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.



Chain of Custody



Client: Pima Environmental Services Project: <u>Cobber 2223 Fed. Com 6H</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip: Phone: Email: Pima Project # <u>287</u>					Lab Use Only Lab WO# <u>E306020</u> Job Number <u>D1058-0007</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 NM TX					TAT 1D 2D 3D X			EPA Program CWA SDWA RCRA	
State NM CO UT AZ TX X					Remarks														
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number														
7:00	6/1/23	S	1	SCS 1	11														
7:05				SCS 2	12														
7:10 ^{PM}				SCS 3	13														
7:15				SCS 4	14														
7:20				SCS 5	15														
7:25				SCS 6	16														
7:30				SCS 7	17														
7:35				SCS 8	18														
7:40				SCS 9	19														
7:45				SCS 10	20														
Additional Instructions: <u>B# 21146774</u>																			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.									
Relinquished by: (Signature) <u>Karime Adams</u> Date <u>6/2/23</u> Time <u>230</u>					Received by: (Signature) <u>Michelle Camp</u> Date <u>6-2-23</u> Time <u>1430</u>					Lab Use Only Received on ice: <u>(Y)</u> N									
Relinquished by: (Signature) <u>Michelle Camp</u> Date <u>6-2-23</u> Time <u>1800</u>					Received by: (Signature) <u>Andrew Miso</u> Date <u>6-2-23</u> Time <u>1800</u>					T1 T2 T3									
Relinquished by: (Signature) <u>Andrew Miso</u> Date <u>6-2-23</u> Time <u>2345</u>					Received by: (Signature) <u>Andrew Miso</u> Date <u>6/3/23</u> Time <u>0005</u>					AVG Temp °C <u>4</u>									
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																			
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																			
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																			

Envirotech Analytical Laboratory

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

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	06/03/23 00:15	Work Order ID:	E306020
Phone:	(575) 631-6977	Date Logged In:	06/02/23 17:10	Logged In By:	Alexa Michaels
Email:	tom@pimaoil.com	Due Date:	06/05/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierSample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client InstructionComments/Resolution

Project Cobber 22-23 Fed Com 6H has been separated into 3 reports due to sample volume. Workorders are as follows: E306019, E306020, E306021.

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

Date



envirotech Inc.

Project Information

Chain of Custody

Page 3 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program	
Project: <u>Copper 2823 Fed.com 6H</u>					Attention: <u>Devon</u>		Lab WO# <u>E306020</u>		Job Number <u>01058-0007</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip: <u>Hobbs, NM, 88240</u>					Phone:											
Phone: <u>580-748-1613</u>					Email:											
Email: <u>tom@pimaoil.com</u>					Pima Project # <u>287</u>											
Report due by:																
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	State		
														NM	CO	UT
														<u>X</u>		
Remarks																
11:10	6/1/23	S	1	NCSW 11	1							X		Spoke with		
11:15				NCSW 12	2									Client all		
11:20				NCSW 13	3									Sample Names		
11:25				NCSW 14	4									Should Start		
11:30				NCSW 15	5									with W not N.		
11:35				NCSW 16	6									6/5/23 CM		
11:40				NCSW 17	7											
11:45				NCSW 18	8											
11:50				NCSW 19	9											
11:55				NCSW 20	10											
Additional Instructions: <u>B# 21146774</u>																
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																
Relinquished by: (Signature) <u>Yasmine Adams</u> Date <u>6/2/23</u> Time <u>230</u> Received by: (Signature) <u>Andrew McGee</u> Date <u>6-2-23</u> Time <u>1430</u>																
Relinquished by: (Signature) <u>Michelle Cantu</u> Date <u>6-2-23</u> Time <u>1800</u> Received by: (Signature) <u>Andrew McGee</u> Date <u>6-2-23</u> Time <u>1800</u>																
Relinquished by: (Signature) <u>Andrew McGee</u> Date <u>6-2-23</u> Time <u>2345</u> Received by: (Signature) <u>Andrew McGee</u> Date <u>6/3/23</u> Time <u>0015</u>																
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																


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Project Information

Chain of Custody

Page 4 of 6

Client: Pima Environmental Services Project: <u>Cabrer 2223 Fed. Cor. GH</u> Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: <u>Devon</u> Address: City, State, Zip Phone: Email: Pima Project # <u>287</u>					Lab Use Only Lab WO# <u>E306020</u> Job Number <u>01058-0007</u> Analysis and Method					TAT 1D 2D 3D Standard				EPA Program CWA SDWA	
														RCRA State NM CO UT AZ TX						
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks						
7:00	6/1/23	S	1	SCS 1	11							X								
7:05				SCS 2	12															
7:10 ^{PM}				SCS 3	13															
7:15				SCS 4	14															
7:20				SCS 5	15															
7:25				SCS 6	16															
7:30				SCS 7	17															
7:35				SCS 8	18															
7:40				SCS 9	19															
7:45				SCS 10	20															
Additional Instructions: <u>B# 21146774</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.																				
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only Received on ice: <u>(Y) N</u>												
<u>Karine Adams</u>		6/2/23	230	<u>Michelle Cayle</u>		6-2-23	1430													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3 AVG Temp °C <u>4</u>												
<u>Michelle Cayle</u>		6-2-23	1800	<u>Andrew Miso</u>		6-2-23	1800													
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time													
<u>Andrew Miso</u>		6-2-23	2345	<u>Michelle Cayle</u>		6/3/23	0005													
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other																				
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA																				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				


envirotech

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

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

CONDITIONS

Action 226199

CONDITIONS

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

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	9/12/2023