1RP-5756 Cobber 21 Federal #1 Supporting Documentation – Spill Calculators

<u>Spi</u>	Spill Volume(Bbls) Calculator									
In	Inputs in blue, Outputs in red									
Contaminated Soil measurement										
Length(Ft)	Width(Ft)	Depth(Ft)								
<u>100</u>	<u>14.000</u>	<u>0.083</u>								
Cubic Feet of S	Soil Impacted	<u>116.200</u>								
Barrels of So	il Impacted	<u>20.71</u>								
Soil T	уре	Clay								
Barrels of O 100% Sat		2.07								
Saturation	Fluid pre	sent with shovel/backhoe								
Estimated Ba Relea		2.07								
	Free Stand	ing Fluid Only								
Length(Ft)	Width(Ft)	Depth(Ft)								
<u>100</u>	14.000	0.063								
Standin	g fluid	<u>15.687</u>								
Total fluid	ls spilled	17.758								

- Tal	Spill Volume(Bbls) Calculator Inputs in blue, Outputs in red									
Contaminated Soil measurement										
Length(Ft)	Width(Ft)	Depth(Ft)								
600	1.000	0.063								
Cubic Feet of S	oil Impacted	<u>37.800</u>								
Barrels of So	il Impacted	<u>6.74</u>								
Soil T	ype	Clay								
Barrels of O 100% Sat		<u>0.67</u>								
Saturation	Fluid pre	sent with shovel/backhoe								
Estimated Ba		0.67								
	Free Stand	ing Fluid Only								
Length(Ft)	Width(Ft)	Depth(Ft)								
<u>600</u>	1.000	0.042								
Standin	g fluid	4.482								
Total fluid	ls spilled	<u>5.156</u>								

<u>Spi</u>	II Volume(E	Bbls) Calculator							
In	puts in blue	, Outputs in red							
Contaminated Soil measurement									
Length(Ft)	Width(Ft)	Depth(Ft)							
230	12.000	0.083							
Cubic Feet of S	Soil Impacted	229.080							
Barrels of So	il Impacted	<u>40.83</u>							
Soil T	ype	Clay							
Barrels of O 100% Sat		4.08							
Saturation	Fluid pre	sent with shovel/backhoe							
Estimated Ba Relea		4.08							
	Free Stand	ing Fluid Only							
Length(Ft)	Width(Ft)	Depth(Ft)							
230	12.000	0.063							
Standin	g fluid	<u>30.926</u>							
Total fluid	ls spilled	35.009							



September 25, 2024

New Mexico Energy Minerals and Natural Resources Department New Mexico Oil Conservation Division 1220 South St. Francis Drive Santa Fe. New Mexico 87505

Re: Closure Request

Cobber 21 Federal #1H

Incident Number NRM1929152027

Lea County, New Mexico

To Whom It May Concern:

Ensolum, LLC (Ensolum), on behalf of Devon Energy Production Company, LP (Devon), has prepared this *Closure Request* to document assessment, excavation, and soil sampling activities at the Cobber 21 Federal #1H (Site). The Site is located in Unit P, Section 21, Township 26 South, Range 34 East, in Lea County, New Mexico (32.02181°, -103.46841°) and is associated with oil and gas exploration and production operations on land managed by the Bureau of Land Management (BLM).

The purpose of the Site assessment and soil sampling activities was to assess for the presence or absence of impacts to soil following a release of crude oil and produced water. Based on field observations, field screening activities, and soil sampling laboratory analytical results, Devon is submitting this *Closure Request*, describing Site assessment, excavation, and delineation activities that have occurred and requesting no further action for Incident Number NRM1929152027.

BACKGROUND

On October 10, 2019, a leak at the wellhead resulted in the release of approximately 10 barrels (bbls) of crude oil and approximately 50 bbls of produced water onto the caliche pad; 10 bbls of crude oil and 40 bbls of produced water were recovered. Devon reported the release to the New Mexico Oil Conservation Division (NMOCD) on a Release Notification Form C-141 (Form C-141) on October 17, 2019. The release was subsequently assigned Incident Number NRM1929152027.

SITE CHARACTERIZATION AND CLOSURE CRITERIA

The Site was characterized to assess applicability of Table I, Closure Criteria for Soils Impacted by a Release, of Title 19, Chapter 15, Part 29 (19.15.29) of the New Mexico Administrative Code (NMAC). Results from the characterization desktop review are presented on the initial C-141 application subsection, Site Characterization. Potential Site receptors are identified on Figure 1.

The closest permitted groundwater well with depth to groundwater data is a New Mexico Office of the State Engineer (NMOSE) well, C-04836 POD1, which is located on the southwest corner of the Site. The Boring (BH01) was completed by John Scarborough Drilling, Inc. on June 5, 2024, in order to establish depth to water within a 1/2-mile radius of the Site. The well was drilled to a total depth of 105 feet below ground surface (bgs). The boring was allowed to equilibrate for at least 72 hours to allow for

Ensolum, LLC | Environmental, Engineering & Hydrogeologic Consultants 3122 National Parks Highway | Carlsbad, New Mexico 88220 | ensolum.com



potentially slow in-filling groundwater to collect. Following the waiting period, groundwater was not encountered, and it has been determined that groundwater is greater than 105 feet bgs. All wells used for depth to groundwater determination are presented in Figure 1. The referenced well log and record is included in Appendix A. There are no regional or Site-specific hydrogeological conditions, such as shallow surface water, known karst features, wetlands, or vegetation to suggest the Site is conducive to shallower groundwater. All wells used for depth to groundwater determination are presented on Figure 1. The referenced well record is included in Appendix A.

The closest continuously flowing or significant watercourse to the Site is a freshwater emergent wetland, located approximately 0.91 miles northeast of the Site. The Site is greater than 200 feet from a lakebed, sinkhole, or playa lake and greater than 300 feet from an occupied residence, school, hospital, institution, church, or wetland. The Site is greater than 1,000 feet to a freshwater well or spring and is not within a 100-year floodplain or overlying a subsurface mine. The Site is not underlain by unstable geology (low potential karst designation area). Site receptors are identified on Figure 1.

Based on the results of the Site Characterization, the following NMOCD Table I Closure Criteria (Closure Criteria) apply:

- Benzene: 10 milligrams per kilogram (mg/kg)
- Benzene, toluene, ethylbenzene, and total xylenes (BTEX): 50 mg/kg
- Total petroleum hydrocarbons (TPH)-gasoline range organics (GRO) and TPH-diesel range organics (DRO): 1,000 mg/kg
- TPH: 2,500 mg/kg
- Chloride: 20,000 mg/kg

SITE ASSESSMENT AND DELINEATION SOIL SAMPLING ACTIVITIES

On February 26 and 27, 2024, Ensolum personnel were onsite to evaluate the release extent and to conduct delineation soil sampling activities. Three potholes (PH01 through PH03) were advanced to assess the vertical extent of impacted soil to depths of 6 feet, 8 feet, and 5 feet bgs, respectively. Discrete delineation soil samples were collected from each borehole at every foot and field screened for chloride utilizing Hach® chloride QuanTab® test strips. Field screening results and observations for the boreholes were logged on lithologic/soil sampling logs, which are included in Appendix B. Three preliminary assessment soil samples (SS02 through SS04) were collected from around the release at ground surface to verify the lateral extent. Ensolum personnel returned to the Site on March 28, 2024, to collect two additional lateral delineation soil samples, SS01 and SS05, at ground surface. All preliminary assessment soil samples were field screened for chloride in the same manner previously described. The delineation soil sample locations are depicted on Figure 2 and a photographic log is included in Appendix C.

The soil samples were placed directly into pre-cleaned glass jars, labeled with the location, date, time, sampler name, method of analysis, and immediately placed on ice and transported under strict chain-of-custody procedures to Envirotech Analysis Laboratory (Envirotech) in Farmington, New Mexico, for analysis of the following chemicals of concern (COCs): BTEX following United States Environmental Protection Agency (EPA) Method 8021B; TPH-GRO, TPH-DRO, and TPH-oil range organics (ORO) following EPA Method 8015M/D; and chloride following EPA Method 300.0.



EXCAVATION AND CONFIRMATION SOIL SAMPLING ACTIVITIES

Beginning on September 4, 2024, Centrex Oilfield Services completed a surface scrape of the subject matter release in order to remove visible surface staining and any gross impacts from the release. Excavation activities were performed using a backhoe and hand tools. To direct excavation activities, Ensolum personnel field screened soil samples in the same manner as previously described.

Following the removal of impacted and waste-containing soil, Ensolum personnel collected 5-point composite soil samples representing at least 200 square feet from the floor of the excavation. The 5-point composite samples were collected by placing five equivalent aliquots of soil into a 1-gallon, resealable plastic bag and homogenizing the samples by thoroughly mixing. Composite soil samples (FS01 through FS55) were collected from the floor of the excavation at depths ranging from ground surface to 0.5 feet bgs. Due to the shallow nature of the excavation, sidewall soil was incorporated into the floor confirmation samples. The excavation soil samples were collected, handled, and analyzed following the same procedures as described above. The excavation extent and excavation soil sample locations are presented on Figure 3.

The final excavation extent measured approximately 10,949 square feet. A total of approximately 340 cubic yards of impacted and waste-containing soil was removed during the excavation activities. The soil was transported and properly disposed of at the Northern Delaware Basin Landfill Facility in Jal, New Mexico.

LABORATORY ANALYTICAL RESULTS

Laboratory analytical results for potholes (PH01 through PH03) were in compliance with the strictest Closure Criteria at 6 feet, 8 feet, and 5 feet bgs, respectively, and potholes PH02 and PH03 were in compliance with the Site Closure Criteria at ground surface. Laboratory analytical results for lateral delineation soil samples (SS02 through SS04), collected at ground surface, indicated all COC concentrations were compliant with Site Closure Criteria and with the strictest Closure Criteria per NMOCD Table I. Laboratory analytical results for lateral delineation soil samples (SS01 and SS05) indicated that COC concentrations were in compliance with the strictest Closure Criteria at ground surface.

Laboratory analytical results for excavation floor soil samples (FS01 through FS55) indicated all COC concentrations were in compliance with the Site Closure Criteria at depths ranging from ground surface to 0.5 feet bgs. Laboratory analytical results are summarized in Tables 1 through 3 and the complete laboratory analytical reports are included as Appendix D.

CLOSURE REQUEST

The release extent has been laterally defined by delineation soil samples (SS01 through SS05), collected at ground surface, and vertically defined by potholes (PH01 through PH03) collected at 6 feet, 8 feet, and 5 feet bgs. Excavation of impacted and waste-containing soil has been completed, and excavation floor samples (FS01 through FS55), collected at depths ranging from ground surface to 0.5 feet bgs, were all in compliance with the Site Closure Criteria.

Based on the remedial actions completed to date and a depth to groundwater greater than 105 feet bgs, Devon believes these remedial actions are protective of human health, the environment, and groundwater and as such, respectfully requests closure for Incident Number NRM1929152027.

If you have any questions or comments, please contact Ms. Ashley Giovengo at (575) 988-0055 or agiovengo@ensolum.com.



Sincerely, **Ensolum**, **LLC**

Ashley Giovengo Senior Scientist Daniel R. Moir, PG (licensed in WY & TX) Senior Managing Geologist

Appendices:

Figure 1 Site Receptor Map

Figure 2 Delineation Soil Sample Locations Figure 3 Excavation Soil Sample Locations

Table 1 Soil Sample Analytical Results (Delineation Soil Samples)
 Table 2 Soil Sample Analytical Results (Excavation Soil Samples)
 Table 3 Soil Sample Analytical Results (Sidewall Soil Samples)

Appendix A Well Log and Record

Appendix B Lithologic Soil Sampling Logs

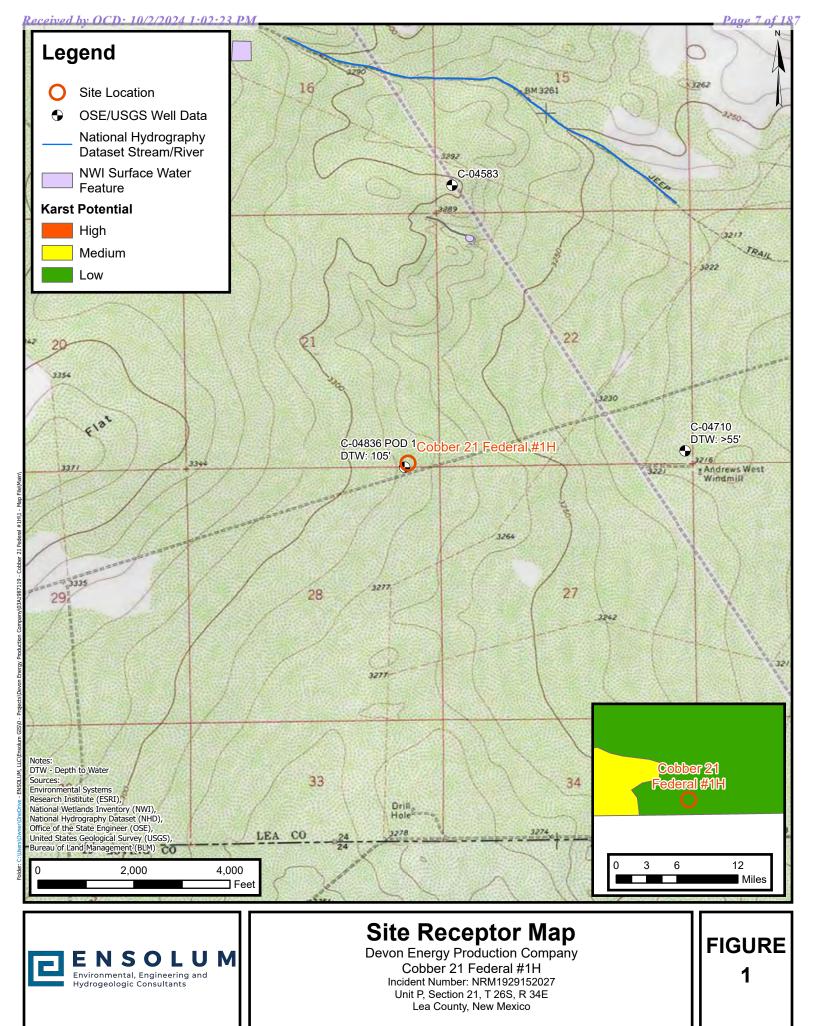
Appendix C Photographic Log

Appendix D Laboratory Analytical Reports & Chain-of-Custody Documentation

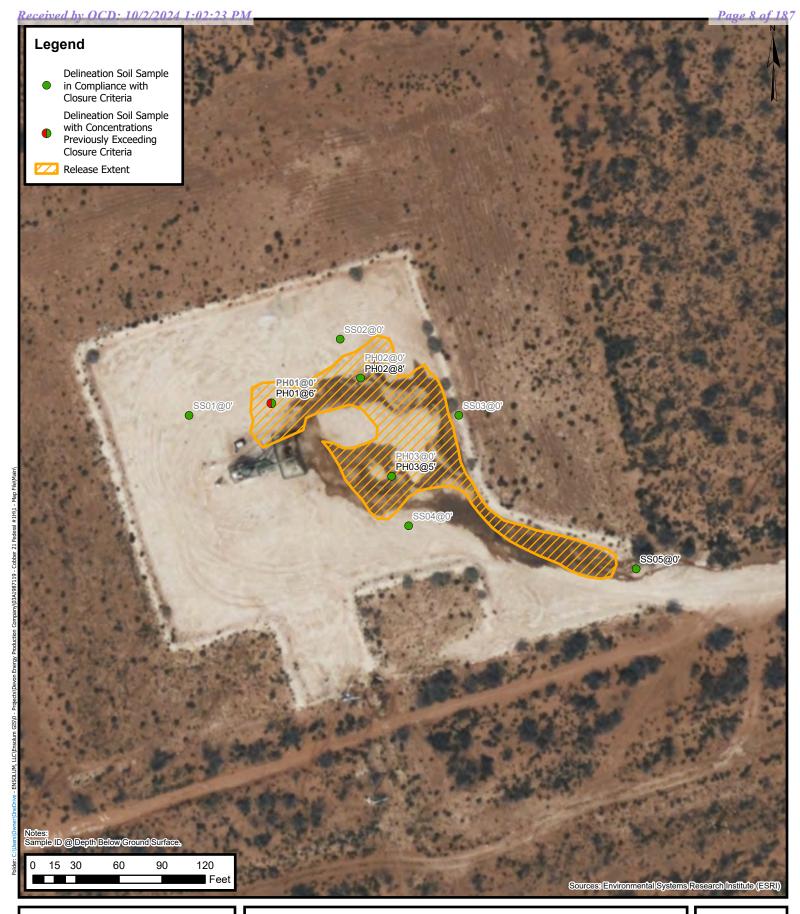
Appendix E NMOCD Correspondence



FIGURES



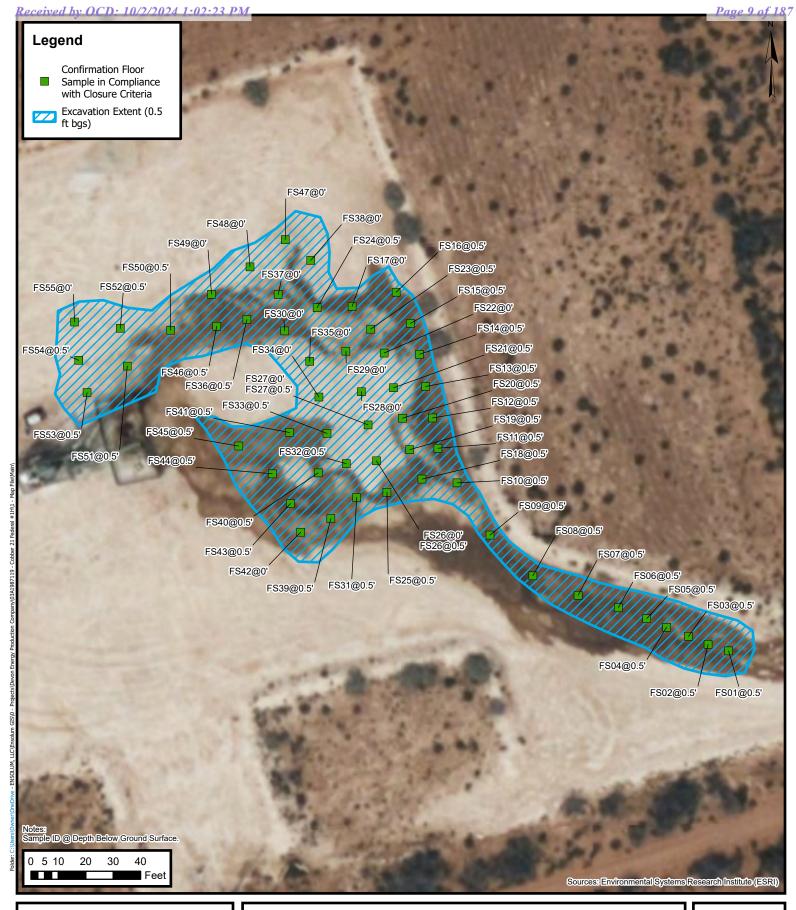
Released to Imaging: 10/28/2024 3:33.50 PM





Delineation Soil Sample Locations

Devon Energy Production Company Cobber 21 Federal #1H Incident Number: NRM1929152027 Unit P, Section 21, T 26S, R 34E Lea County, New Mexico FIGURE 2





Confirmation Soil Sample Locations

Devon Energy Production Company Cobber 21 Federal #1H Incident Number: NRM1929152027 Unit P, Section 21, T 26S, R 34E Lea County, New Mexico FIGURE 3



TABLES



TABLE 1

SOIL SAMPLE ANALYTICAL RESULTS

Cobber 21 Federal #1H
Devon Energy Production Company, LP
Lea County, New Mexico

					County, How inc	Aloo .				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Deli	neation Soil Sam	ıples				
SS01	3/28/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	344
SS02	2/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	84.2
SS03	2/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	31.1
SS04	2/27/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	89.7
SS05	3/28/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	133
PH01	2/26/2024	0	<0.0250	< 0.0500	<20.0	8,390	4,290	8,390	12,680	7,460
PH01	2/26/2024	6	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	77.3
PH02	2/26/2024	0	< 0.0250	< 0.0500	<20.0	195	178	198	373	16,600
PH02	2/26/2024	8	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	424
PH03	2/26/2024	0	< 0.0250	< 0.0500	<20.0	646	663	646	1,309	10,300
PH03	2/26/2024	5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	69.3

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in bold exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

^{*} Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.



TABLE 2

SOIL SAMPLE ANALYTICAL RESULTS

Cobber 21 Federal #1H **Devon Energy Production Company, LP**

Lea County, New Mexico

					County, New Me	Aloo				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Conf	irmation Soil Sar	nples				
FS01	9/5/2024	0.5	<0.0250	<0.0500	<20.0	55.4	<50.0	55.4	55	315
FS02	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	323
FS03	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	330
FS04	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	229
FS05	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	456
FS06	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	446
FS07	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	478
FS08	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	330
FS09	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	553
FS10	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	148
FS11	9/6/2024	0.5	<0.0250	<0.0500	<20.0	37.1	<50.0	37.1	37	1,550
FS12	9/6/2024	0.5	<0.0250	<0.0500	<20.0	267	121	267	388	786
FS13	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	325
FS14	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	248
FS15	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	342
FS16	9/6/2024	0.5	<0.0250	<0.0500	<20.0	66.1	<50.0	66.1	66.1	278
FS17	9/5/2024	0	<0.0250	<0.0500	<20.0	43.8	<50.0	43.8	44	51
FS18	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	196
FS19	9/6/2024	0.5	<0.0250	<0.0500	<20.0	34.8	<50.0	34.8	34.8	1,060
FS20	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,190
FS21	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	366

Notes:

bgs: below ground surface

mg/kg: milligrams per kilogram

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NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in bold exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

^{*} Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.



TABLE 2 - CONT'D

SOIL SAMPLE ANALYTICAL RESULTS

Cobber 21 Federal #1H
Devon Energy Production Company, LP

Lea County, New Mexico	6
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					County, New Me	7.100				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	NMOCD Table I Closure Criteria (NMAC 19.15.29			50	NE	NE	NE	1,000	2,500	20,000
				Conf	irmation Soil Sar	nples				
FS22	9/5/2024	0	<0.0250	<0.0500	<20.0	83.7	50	83.7	134	287
FS23	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	23
FS24	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	22.0
FS25	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	229
FS26	9/5/2024	0	<0.0250	<0.0500	<20.0	212	82.4	212	294.4	625
FS26	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	139
FS27	9/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	351
FS27	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	370
FS28	9/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	189
FS29	9/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,200
FS30	9/5/2024	0	<0.0250	<0.0500	<20.0	93.3	<50.0	93.3	93.3	5,140
FS31	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	376
FS32	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	305
FS33	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	537
FS34	9/5/2024	0	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	379
FS35	9/5/2024	0	<0.0250	<0.0500	<20.0	85.6	<50.0	85.6	85.6	1,690
FS36	9/5/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,570
FS37	9/5/2024	0	<0.0250	<0.0500	<20.0	144	71.0	144	215	3,240
FS38	9/5/2024	0	<0.0250	<0.0500	<20.0	63.4	<50.0	63.4	63.4	376
FS39	9/6/2024	0.5	<0.0250	<0.0500	<20.0	63.3	<50.0	63.3	63.3	1,130
FS40	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	319

Notes:

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ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

^{*} Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.



TABLE 2 - CONT'D

SOIL SAMPLE ANALYTICAL RESULTS

Cobber 21 Federal #1H
Devon Energy Production Company, LP
Lea County, New Mexico

					County, New Mic	7.100				
Sample Designation	Date	Depth (feet bgs)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH ORO (mg/kg)	GRO+DRO (mg/kg)	Total TPH (mg/kg)	Chloride (mg/kg)
NMOCD Table I	Closure Criteria	(NMAC 19.15.29)	10	50	NE	NE	NE	1,000	2,500	20,000
				Conf	irmation Soil Sar	nples				
FS41	9/6/2024	0.5	<0.0250	<0.0500	<20.0	30.1	<50.0	30.1	30.1	404
FS42	9/5/2024	0	<0.0250	<0.0500	<20.0	83.0	<50.0	83.0	83.0	3,820
FS43	9/6/2024	0.5	<0.0250	<0.0500	<20.0	151	<50.0	151	151	527
FS44	9/6/2024	0.5	<0.0250	<0.0500	<20.0	30.4	<50.0	30.4	30.4	616
FS45	9/6/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	655
FS46	9/5/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,280
FS47	9/5/2024	0	<0.0250	<0.0500	<20.0	104	<50.0	104	104	1,050
FS48	9/5/2024	0	<0.0250	<0.0500	<20.0	137	<50.0	137	137	7,380
FS49	9/5/2024	0	<0.0250	<0.0500	<20.0	43.9	<50.0	43.9	43.9	2,100
FS50	9/5/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,400
FS51	9/6/2024	0.5	<0.0250	<0.0500	<20.0	237	82.8	237	319.8	1,600
FS52	9/5/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,830
FS53	9/5/2024	0.5	<0.0250	<0.0500	<20.0	124	71.5	124	195.5	1,710
FS54	9/5/2024	0.5	<0.0250	<0.0500	<20.0	<25.0	<50.0	<25.0	<50.0	1,250
FS55	9/5/2024	0	<0.0250	<0.0500	<20.0	154	182	154	336	760

Notes:

bgs: below ground surface mg/kg: milligrams per kilogram

NMOCD: New Mexico Oil Conservation Division

NMAC: New Mexico Administrative Code

Grey text represents samples that have been excavated

"<": Laboratory Analytical result is less than reporting limit

Concentrations in bold exceed the NMOCD Table I Closure Criteria or reclamation standard where applicable.

GRO: Gasoline Range Organics

DRO: Diesel Range Organics

ORO: Oil Range Organics

TPH: Total Petroleum Hydrocarbon

^{*} Indicates sample was collected in area to be reclaimed after remediation is complete; reclamation for chloride in the top 4 feet is 600 mg/kg and total TPH is 100 mg/kg.



APPENDIX A

Well Log and Record

PAGE 1 OF 2

WELL TAG ID NO.



11.00	OSE POD NO. (WE POD I	LL NO.)			WELL TAG ID NO N/A			OSE FILE NOO C-04836 PC				
D	WELL OWNER NA Devon Energy		ction Company					PHONE (OPTI 575-748-18:				
2	WELL OWNER M 105 E. Bender		The Property of the Park of th					CITY Hobbs		STATE NM	88240	ZIP
P V D V 2	WELL LOCATION (FROM GPS)	LON	TTUDE	32 103	MINUTES 01 28	SECONDS 17.7 07.1	N W	* DATUM REG	REQUIRED: ONE TEN			
ι	Jnit P, Section		G WELL LOCATION TO OWNShip 26S, Rang	ge 34E, Lea (S - PLS	S (SECTION, TO				
1	LICENSE NO WD1188		NAME OF LICENSED		ohn Scarborougl	n			NAME OF WELL DR John Sca		MPANY Drilling Inc.	
1	DRILLING STAR 06/05/202		DRILLING ENDED 06/05/2024	DEPTH OF CO	MPLETED WELL (F 105	Т) Во		LE DEPTH (FT) 105	DEPTH WATER FIR	ST ENCOUR N/A	NTERED (FT)	
	COMPLETED WE	ELL IS:	ARTESIAN	✓ DRY HO	LE SHALLO	W (UNCONFI	NED)		STATIC WATER LEV	VEL IN COM N/A	IPLETED WE	LL (FT)
	DRILLING FLUID):	✓ AIR	☐ MUD	ADDITIV	'ES – SPECIFY	9.					
1	DRILLING METH	IOD:	✓ ROTARY	П наммен	CABLE T	OOL [ОТНЕ	R – SPECIFY:				
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DEPTH (fee	DEPTH (feet bgl) OM TO DIAM (inches)			MATERIAL ANI GRADE each casing string, sections of screen	and	CON	ASING NECTION TYPE ling diameter)	CASING INSIDE DIAM. (inches)	THIC	G WALL KNESS ches)	SLO SIZI (inche
	0	105	5.00		Soil Boring			-	-		•	•
<u> </u>	DEPTH (fee	t bgl)	BORE HOLE	LI	ST ANNULAR S	EAL MATE	RIAL	AND	AMOUNT		метно	D OF
	FROM	то	DIAM. (inches)	GRA	VEL PACK SIZE	-RANGE B'	Y INTI	ERVAL	(cubic feet)		PLACEM	IENT
	OSE INTERNAL	USE						WR-2	0 WELL RECORD	& LOG (Version 04/3	0/19)

LOCATION

	DEPTH (f	ect bgl)		COLON IN	ID TYPE OF MATERIAL F	NCOLIN	(TERED	W	TER	ESTIMATED YIELD FOR
	FROM	то	THICKNESS (feet)	INCLUDE WATE	ER-BEARING CAVITIES Copplemental sheets to fully d	R FRAC	CTURE ZONES	BEA	RING? S/NO)	WATER- BEARING ZONES (gpm)
	0	10	10	Sand with grav	vel, light brown, fine to coar	se with ca	aliche gravel	Y	√ N	
	10	20	10	100000000000000000000000000000000000000	vel brown to tan, fine to coar	7.72	Total Control	Y	✓ N	
	20	30	10		el, brown to tan, fine to coar			Y	√ N	
	30	40	10		n to tan, fine to coarse with t		5 0 00 00 00	Y	√ N	
	40	50	10	Sand, brown	n to tan, fine to coarse with t	race calic	che gravel	Y	✓ N	
7	50	60	10	Sand, brow	n to tan, fine to coarse with	racecalic	the gravel	Y	√ N	
4. HYDROGEOLOGIC LOG OF WELL	60	70	10	Sand, brown	n to tan, fine to coarse with t	race calic	che gravel	Y	√ N	
OF	70	80	10	Sand, brown	n to tan, fine to coarse with s	ome cali	che gravel	Y	√ N	
90'	80	90	10	Sand with	h clay, brown sand red clay,	fine to ve	ery fine	Y	√ N	
101	90	100	10	Sand with	h clay, brown sand red clay,	fine to ve	ery fine	Y	✓ N	
007	100	105	5	Sand with	h clay, brown sand red clay,	fine to ve	ery fine	Y	√ N	
SEO	105	105	0	Sand with	h clay, brown sand red clay,	fine to ve	ery fine	Y	√ N	
RO								Y	N	
HAD								Y	N	
4.								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
								Y	N	
	METHOD U		AIR LIFT	OF WATER-BEARIN	IG STRATA: THER - SPECIFY:		1	TOTAL ESTI WELL YIELI		0.00
NO	WELL TES	T TES	T RESULTS - ATT RT TIME, END TI	ACH A COPY OF DA ME, AND A TABLE S	TA COLLECTED DURING HOWING DISCHARGE AN	WELL T	TESTING, INCL WDOWN OVE	LUDING DISC R THE TESTI	CHARGE NG PERIO	METHOD, OD.
TEST; RIG SUPERVISION	MISCELLA	NEOUS II	NFORMATION: To be	emporary well materi elow ground surface (al removed and soil boring lbgs), then hydrated bento	g backf nite chi	illed using dril ps 10 ft bgs to	l cuttings fro ground surfa	m total d	lepth to 10 ft
S. TEST	PRINT NAM		DRILL RIG SUPER	RVISOR(S) THAT PRO	OVIDED ONSITE SUPERV	SION O	F WELL CONS	TRUCTION (THER T	HAN LICENSEE:
SIGNATURE.	BY SIGNIN	G BELOV F THE AE ORD WIL	OVE DESCRIBED	WELL. I ALSO CERT WITH THE PERMIT I	OF MY KNOWLEDGE AN FIFY THAT THE WELL TA HOLDER WITHIN 30 DAY	G. IF RI	EOUIRED, HAS	BEEN INST.	ALLED A	ND THAT THIS
٠		SIGNA	TURE OF DRILLE	R / PRINT SIGNEE	NAME				DATE	
FO	R OSE INTER	NAL USE					WR-20 WEL	L RECORD &	LOG (V	ersion 04/30/2019)
	E NO	ODL			POD NO.		TRN NO		,	
10	CATION					WELL	TAG ID NO.			PAGE 2 OF 2

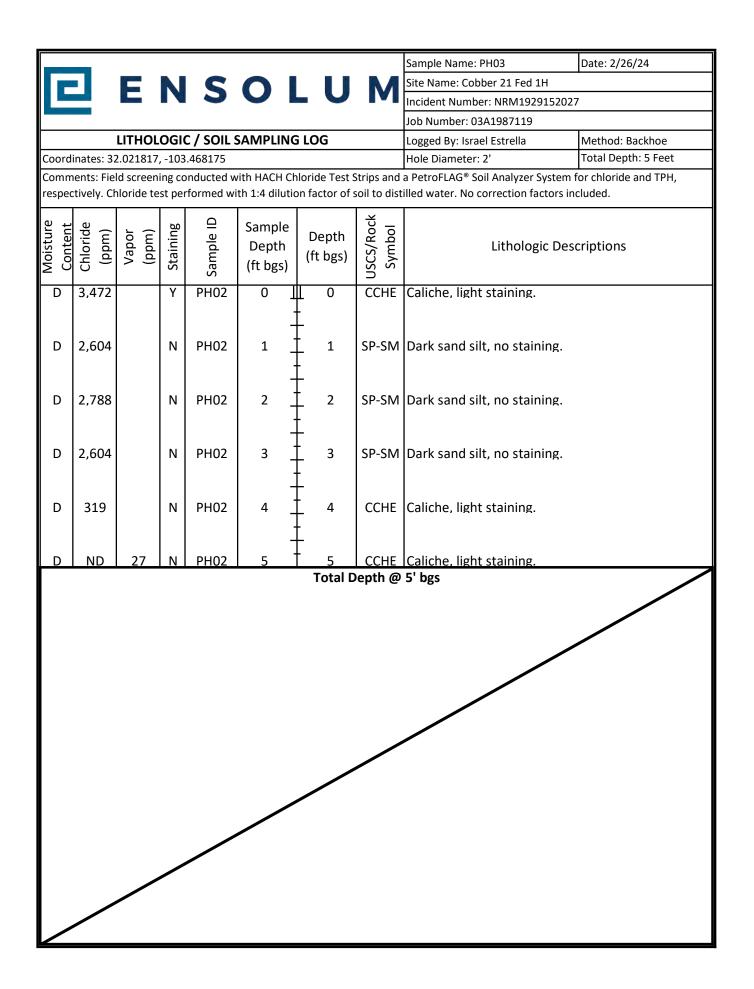


APPENDIX B

Lithologic Soil Sampling Logs

								Sample Name: PH01	Date: 2/26/24		
		-					B. 4	Site Name: Cobber 21 Fed 1H	Date. 2/20/24		
			N	5	OI	_ U	M	Incident Number: NRM192915202	7		
							Job Number: 03A1987119	.,			
	1	IITHOI	OGI	^ / SOIL 9	SAMPLING	SIOG		Logged By: Israel Estrella Method: Backhoe			
Coord				3.4684428		LOG		Hole Diameter: 2'	Total Depth: 7 Feet		
						Jorida Tast 9	String and		·		
Comments: Field screening conducted with HACH Chloride Test Strips and a PetroFLAG® Soil Analyzer System for chloride and TPH respectively. Chloride test performed with 1:4 dilution factor of soil to distilled water. No correction factors included.											
Moisture Content Choride (hpm) TPH (ppm) Sample Debth (lt pgs) Symbol Sy											
D	3,472		٧	PH01	0]	0	SP-SM	Red silty sand, light staining			
D	2,788		N	PH01	1 _ -	1	SP-SM	Dark sand silt, no staining.			
D	2,424		N	PH01	2 _	2	SP-SM	Dark sand silt, no staining.			
D	1,271		N	PH01	3 _	3	ССНЕ	Light color, no staining.			
D	1,108		N	PH01	4	4 4	ССНЕ	Light color, no staining.			
D	700		N	PH01	5 <u>-</u> 5 <u>-</u>	- - - -	ССНЕ	Light color, no staining.			
D	ND	24	N	PH01	6 _	6	ССНЕ	Light color, no staining.			
_	ND		_N $ $	PH01	- -	<u> </u>	CCHE	Light color, no staining.			
D	ווע		i IV	FUUI	/	Total D	epth @				
								7. 450			

								T .	<u> </u>			
-		_						Sample Name: PH02	Date: 2/26/24			
		-	N	5	OI		M	Site Name: Cobber 21 Fed 1H				
			- 4					Incident Number: NRM19291520)27			
								Job Number: 03A1987119				
					SAMPLING	LOG		Logged By: Israel Estrella	Method: Backhoe			
				3.4682406				Hole Diameter: 2'	Total Depth: 9 Feet			
			-					a PetroFLAG® Soil Analyzer Syster illed water. No correction factors				
Moisture Content	Chloride (ppm)	ТРН (ррт)	Staining	Sample ID	Sample Depth (ft bgs)	Depth (ft bgs)	USCS/Rock Symbol	Lithologic De	escriptions			
D	3,472		Υ	PH02	0]	0	SP-SM	Sand silt, light staining.				
D	2,788		N	PH02 PH02	1 -	1 - 2		Dark sand silt, no staining. Dark sand silt, no staining.				
D D	3,472		N N	PH02	2 - - - 3	- ² - 3	CCHE	Caliche, no staining.				
D	2,604		N	PH02	4 _	4	ССНЕ	Caliche, no staining.				
D	700		N	PH02	5 _	5 -	ССНЕ	Caliche, no staining.				
D	464		N	PH02	6	- 6 -	ССНЕ	Caliche, no staining.				
D	846		N	PH02	7 _	7	ССНЕ	Caliche, no staining.				
D	319	54	N	PH02	8 _	- 8 -	ССНЕ	Caliche, no staining.				
D	464		N	PH02	9	9 Total D	CCHE Depth @	Caliche, no staining. 9' bgs				





APPENDIX C

Photographic Log

Photographic Log

Devon Energy Production Company, LP Cobber 21 Fed #1H NRM1929152027





Photograph 1

Description: Release Extent
View: Southwest

Date: 10/15/2019

Photograph 2

Description: Release Extent

View: North

Date: 10/15/2019





Photograph 3

Description: Release Extent

View: Northwest

Date: 10/15/2019

Photograph 4

Description: Release Extent

View: East

Date: 10/15/2019

Photographic Log

Devon Energy Production Company, LP
Cobber 21 Fed #1H
NRM1929152027



Photograph 5 Date: 02/26/2024

Description: Site Signage View: Southwest

E SE 10 S 210 150°SE (T) LAT: 0.0000000 LON: 0.0000000 ▲ Oft

PH01 Cobber 21Fed: 114
Ensoluri, LLC 26 Feb 2024, 13:49:31

Photograph 6

Description: Potholing (PH01)

View: Southeast

E SE S 210

151°SE (T) LAT: 32.032349 LON: -103.471120 ±16420ft ▲ 0ft

PH02
Ensolum, LLC

Cobber 21Fed: 1H
26 Feb 2024, 14:08: 1

Ograph 7

Date: 02/26/2024

Photograph 7
Description: Potholing (PH02)

View: Southeast



Date: 02/26/2024

Photograph 8 Date: 02/26/2024

Description: Potholing (PH03)

View: West

Photographic Log

Devon Energy Production Company, LP

Cobber 21 Fed #1H

NRM1929152027



Photograph 9 Date: 02/27/2024

Description: Lateral Delineation Soil Sampling

View: Southeast



Photograph 10 Date: 02/27/2024 Description: Lateral Delineation Soil Sampling

View: Southeast



Photograph 11 Date: 03/28/2024

Description: Lateral Delineation Soil Sampling

View: East



Photograph 12 Date: 03/28/2024

Description: Lateral Delineation Soil Sampling

View: West



Photographic Log

Devon Energy Production Company, LP

Cobber 21 Fed #1H

NRM1929152027





Photograph 13 Date: 06/05/2024

Description: DTW Boring (BH01)

View: East

Photograph 14 Date: 06/05/2024

Description: DTW Boring (BH01)

View: West





Photograph 15 Date: 06/10/2024

Description: DTW Measurement

View: North

Photograph 16 Date: 06/10/2024

Description: DTW Measurement

View: Southeast



Photographic Log

Devon Energy Production Company, LP

Cobber 21 Fed #1H

NRM1929152027





Photograph 17 Date: 09/04/2024

Description: Excavation Activities

View: East

Photograph 18 Date: 09/04/2024

Description: Excavation Activities

View: Northeast





Photograph 19 Date: 09/04/2024

Description: Excavation Activities

View: Southeast

Photograph 20 Date: 09/04/2024

Description: Excavation Activities

View: North

Photographic Log

Devon Energy Production Company, LP

Cobber 21 Fed #1H

NRM1929152027





Photograph 21 Date: 09/05/2024

Description: Excavation Activities

View: Northeast

Photograph 22 Date: 09/05/2024

Description: Excavation Activities

View: Northwest





Photograph 23 Date: 09/06/2024

Description: Excavation Activities

View: South

Photograph 24 Date: 09/06/2024

Description: Excavation Activities

View: West



APPENDIX D

Laboratory Analytical Reports & Chain-of-Custody Documentation

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cobber 21 Fed 1H

Work Order: E402254

Job Number: 01058-0007

Received: 2/28/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/5/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 3/5/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Cobber 21 Fed 1H

Workorder: E402254

Date Received: 2/28/2024 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/28/2024 6:00:00AM, under the Project Name: Cobber 21 Fed 1H.

The analytical test results summarized in this report with the Project Name: Cobber 21 Fed 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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PH03 -0'	9
PH03 -5'	10
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QC - Nonhalogenated Organics by EPA 8015D - GRO	12
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Sample Summary

Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	Donoutode
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/05/24 14:35

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
PH01 -0'	E402254-01A Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
PH01 -6'	E402254-02A Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
PH02 -0'	E402254-03A Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
PH02 -8'	E402254-04A Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
PH03 -0'	E402254-05A Soil	02/26/24	02/28/24	Glass Jar, 2 oz.
PH03 -5'	E402254-06A Soil	02/26/24	02/28/24	Glass Jar, 2 oz.



Sample Data

Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/5/2024 2:35:30PM

PH01 -0' E402254-01

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RAS			Batch: 2409046
Benzene	ND	0.0250		1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250		1	02/28/24	03/01/24	
Toluene	ND	0.0250		1	02/28/24	03/01/24	
o-Xylene	ND	0.0250		1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500		1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250		1	02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		107 %	70-130		02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		02/28/24	03/01/24	
Surrogate: Toluene-d8		108 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst: RAS		Batch: 2409046	
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		107 %	70-130		02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		02/28/24	03/01/24	
Surrogate: Toluene-d8		108 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2409065
Diesel Range Organics (C10-C28)	8390	50.0		2	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	4290	100	2	2	02/29/24	02/29/24	
Surrogate: n-Nonane		108 %	50-200		02/29/24	02/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: IY		Batch: 2409059
Chloride	7460	100		5	02/28/24	02/29/24	



Sample Data

Devon Energy - CarlsbadProject Name:Cobber 21 Fed 1H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo3/5/2024 2:35:30PM

PH01 -6' E402254-02

Racult			on Pranarad	Analyzed	Notes
Resuit	Limit	Dilutio	on Prepared	Anaryzeu	Notes
mg/kg	mg/kg	Ar	nalyst: RAS		Batch: 2409046
ND	0.0250	1	02/28/24	03/01/24	
ND	0.0250	1	02/28/24	03/01/24	
ND	0.0250	1	02/28/24	03/01/24	
ND	0.0250	1	02/28/24	03/01/24	
ND	0.0500	1	02/28/24	03/01/24	
ND	0.0250	1	02/28/24	03/01/24	
	108 %	70-130	02/28/24	03/01/24	
	93.1 %	70-130	02/28/24	03/01/24	
	107 %	70-130	02/28/24	03/01/24	
mg/kg	mg/kg	Analyst: RAS		Batch: 2409046	
ND	20.0	1	02/28/24	03/01/24	
	108 %	70-130	02/28/24	03/01/24	
	93.1 %	70-130	02/28/24	03/01/24	
	107 %	70-130	02/28/24	03/01/24	
mg/kg	mg/kg	Ar	nalyst: KM		Batch: 2409065
ND	25.0	1	02/29/24	03/01/24	
ND	50.0	1	02/29/24	03/01/24	
·	110 %	50-200	02/29/24	03/01/24	
mg/kg	mg/kg	Ar	nalyst: IY		Batch: 2409059
77.3	20.0	1	02/28/24	02/29/24	
	ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IOB % 93.1 % 107 % 108 % 93.1 % 107 % mg/kg mg/kg ND 20.0 108 % 93.1 % 107 % 107 % mg/kg mg/kg ND 25.0 ND 50.0 110 % mg/kg	mg/kg mg/kg Ar ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 108 % 70-130 93.1 % 70-130 107 % 70-130 93.1 % 70-130 93.1 % 70-130 107 % 70-130 mg/kg mg/kg Ar ND 25.0 1 ND 50.0 1 110 % 50-200 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RAS ND 0.0250 1 02/28/24 ND 0.0250 1 02/28/24 ND 0.0250 1 02/28/24 ND 0.0500 1 02/28/24 ND 0.0500 1 02/28/24 ND 0.0250 1 02/28/24 ND 70-130 02/28/24 93.1 % 70-130 02/28/24 107 % 70-130 02/28/24 ND 20.0 1 02/28/24 93.1 % 70-130 02/28/24 93.1 % 70-130 02/28/24 107 % 70-130 02/28/24 107 % 70-130 02/28/24 mg/kg mg/kg Analyst: KM ND 25.0 1 02/29/24 ND 50.0 1 02/29/24 Mg/kg mg/kg Analyst: KM	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RAS ND 0.0250 1 02/28/24 03/01/24 ND 0.0500 1 02/28/24 03/01/24 ND 0.0250 1 02/28/24 03/01/24 ND 0.0250 1 02/28/24 03/01/24 93.1 % 70-130 02/28/24 03/01/24 93.1 % 70-130 02/28/24 03/01/24 mg/kg mg/kg Analyst: RAS ND 20.0 1 02/28/24 03/01/24 93.1 % 70-130 02/28/24 03/01/24 93.1 % 70-130 02/28/24 03/01/24 mg/kg mg/kg Analyst: KM ND 50.0 1



Sample Data

Devon Energy - CarlsbadProject Name:Cobber 21 Fed 1H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo3/5/2024 2:35:30PM

PH02 -0' E402254-03

		2102281 00					
Analyte	Result	Reporting Limit	; Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: RA	•		Batch: 2409046
Benzene	ND	0.0250	1		02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1		02/28/24	03/01/24	
Toluene	ND	0.0250	1		02/28/24	03/01/24	
o-Xylene	ND	0.0250	1		02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1		02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1		02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		110 %	70-130		02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		02/28/24	03/01/24	
Surrogate: Toluene-d8		107 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: RAS		Batch: 2409046	
Gasoline Range Organics (C6-C10)	ND	20.0	1		02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		110 %	70-130		02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130		02/28/24	03/01/24	
Surrogate: Toluene-d8		107 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: KN	М		Batch: 2409065
Diesel Range Organics (C10-C28)	195	25.0	1		02/29/24	02/29/24	
Oil Range Organics (C28-C36)	178	50.0	1		02/29/24	02/29/24	
Surrogate: n-Nonane		103 %	50-200		02/29/24	02/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY	<u>- </u>		Batch: 2409059
Chloride	16600	400	20)	02/28/24	02/29/24	

Devon Energy - CarlsbadProject Name:Cobber 21 Fed 1H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo3/5/2024 2:35:30PM

PH02 -8' E402254-04

	_	Reporting	;			
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2409046
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		109 %	70-130	02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	02/28/24	03/01/24	
Surrogate: Toluene-d8		107 %	70-130	02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RAS		Batch: 2409046
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		109 %	70-130	02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		91.9 %	70-130	02/28/24	03/01/24	
Surrogate: Toluene-d8		107 %	70-130	02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2409065
Diesel Range Organics (C10-C28)	ND	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	ND	50.0	1	02/29/24	02/29/24	
Surrogate: n-Nonane		107 %	50-200	02/29/24	02/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY		Batch: 2409059
Chloride	424	20.0	1	02/28/24	02/29/24	

Devon Energy - CarlsbadProject Name:Cobber 21 Fed 1H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo3/5/2024 2:35:30PM

PH03 -0' E402254-05

		1102201 00				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: RAS	<u>-</u>	Batch: 2409046
Benzene	ND	0.0250	1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/28/24	03/01/24	
Toluene	ND	0.0250	1	02/28/24	03/01/24	
o-Xylene	ND	0.0250	1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		110 %	70-130	02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	02/28/24	03/01/24	
Surrogate: Toluene-d8		106 %	70-130	02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: RAS		Batch: 2409046
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		110 %	70-130	02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	02/28/24	03/01/24	
Surrogate: Toluene-d8		106 %	70-130	02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: KM		Batch: 2409065
Diesel Range Organics (C10-C28)	646	25.0	1	02/29/24	02/29/24	
Oil Range Organics (C28-C36)	663	50.0	1	02/29/24	02/29/24	
Surrogate: n-Nonane		112 %	50-200	02/29/24	02/29/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: IY		Batch: 2409059
Chloride	10300	200	10	02/28/24	02/29/24	

Devon Energy - CarlsbadProject Name:Cobber 21 Fed 1H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo3/5/2024 2:35:30PM

PH03 -5' E402254-06

		E 10228 1 00					
Analyte	Result	Reporting Limit		ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:			Batch: 2409046
Benzene	ND	0.0250		1	02/28/24	03/01/24	
Ethylbenzene	ND	0.0250		1	02/28/24	03/01/24	
Toluene	ND	0.0250		1	02/28/24	03/01/24	
o-Xylene	ND	0.0250		1	02/28/24	03/01/24	
p,m-Xylene	ND	0.0500		1	02/28/24	03/01/24	
Total Xylenes	ND	0.0250		1	02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		111 %	70-130		02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		02/28/24	03/01/24	
Surrogate: Toluene-d8		106 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	: RAS		Batch: 2409046
Gasoline Range Organics (C6-C10)	ND	20.0		1	02/28/24	03/01/24	
Surrogate: Bromofluorobenzene		111 %	70-130		02/28/24	03/01/24	
Surrogate: 1,2-Dichloroethane-d4		94.7 %	70-130		02/28/24	03/01/24	
Surrogate: Toluene-d8		106 %	70-130		02/28/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	: KM		Batch: 2409065
Diesel Range Organics (C10-C28)	25.1	25.0		1	02/29/24	03/01/24	-
Oil Range Organics (C28-C36)	ND	50.0		1	02/29/24	03/01/24	
Surrogate: n-Nonane		104 %	50-200		02/29/24	03/01/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	: IY		Batch: 2409059
Chloride	69.3	20.0		1	02/28/24	02/29/24	



Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Surrogate: Toluene-d8

QC Summary Data

Cobber 21 Fed 1H Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 3/5/2024 2:35:30PM Volatile Organic Compounds by EPA 8260B Analyst: RAS Spike Source RPD Reporting Rec Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % % Notes Blank (2409046-BLK1) Prepared: 02/28/24 Analyzed: 03/02/24 ND 0.0250 ND Ethylbenzene 0.0250 ND Toluene 0.0250 ND 0.0250 o-Xylene ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: Bromofluorobenzene 0.556 0.500 111 70-130

LCS (2409046-BS1)				Prepared: 02/28/24 Analyzed: 03/02/24
Benzene	2.60	0.0250	2.50	104 70-130
Ethylhenzene	2.65	0.0250	2.50	106 70-130

0.500

0.500

96.1

106

70-130

70-130

2.54	0.0250	2.50	10	1	70-130
2.62	0.0250	2.50	10	5	70-130
5.19	0.0500	5.00	10	4	70-130
7.81	0.0250	7.50	10	4	70-130
0.567		0.500	11	3	70-130
0.465		0.500	93	.0	70-130
0.526		0.500	10)5	70-130
	2.62 5.19 7.81 0.567 0.465	2.62 0.0250 5.19 0.0500 7.81 0.0250 0.567 0.465	2.62 0.0250 2.50 5.19 0.0500 5.00 7.81 0.0250 7.50 0.567 0.500 0.465 0.500	2.62 0.0250 2.50 10 5.19 0.0500 5.00 10 7.81 0.0250 7.50 10 0.567 0.500 11 0.465 0.500 93	2.62 0.0250 2.50 105 5.19 0.0500 5.00 104 7.81 0.0250 7.50 104 0.567 0.500 113 0.465 0.500 93.0

0.481

0.529

Matrix Spike (2409046-MS1)				Source:	E402252-	42	Prepared: 02/28/24 Analyzed: 03/02/24
Benzene	2.66	0.0250	2.50	ND	106	48-131	
Ethylbenzene	2.73	0.0250	2.50	ND	109	45-135	
T-1	2.61	0.0250	2.50	ND	104	49 120	

Etilytoenzene		0.0250					
Toluene	2.61	0.0250	2.50	ND	104	48-130	
o-Xylene	2.67	0.0250	2.50	ND	107	43-135	
p,m-Xylene	5.35	0.0500	5.00	ND	107	43-135	
Total Xylenes	8.02	0.0250	7.50	ND	107	43-135	
Surrogate: Bromofluorobenzene	0.554		0.500		111	70-130	_
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130	
Surrogate: Toluene-d8	0.530		0.500		106	70-130	

Matrix Spike Dup (2409046-MSD1)			Source: E402252-42			Prepared: 02/28/24 Analyzed: 03/04/24			
Benzene	2.58	0.0250	2.50	ND	103	48-131	2.98	23	-
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135	7.07	27	
Toluene	2.53	0.0250	2.50	ND	101	48-130	3.03	24	
o-Xylene	2.63	0.0250	2.50	ND	105	43-135	1.56	27	
p,m-Xylene	5.23	0.0500	5.00	ND	104	43-135	2.31	27	
Total Xylenes	7.86	0.0250	7.50	ND	105	43-135	2.06	27	
Surrogate: Bromofluorobenzene	0.571		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.6	70-130			
Surrogate: Toluene-d8	0.530		0.500		106	70-130			

Devon Energy - CarlsbadProject Name:Cobber 21 Fed 1HReported:6488 7 Rivers HwyProject Number:01058-0007Artesia NM, 88210Project Manager:Ashley Giovengo3/5/2024 2:35:30PM

Nonhalogenated	Organics by EPA 8015D	- GRO

Analyst: RAS

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

	Result	LIIIII	Level	Kesuit	Rec	Lillits	KrD	LIIIII	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409046-BLK1)							Prepared: 02	2/28/24 An	alyzed: 03/02/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.556		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			
LCS (2409046-BS2)							Prepared: 02	2/28/24 An	alyzed: 03/04/24
Gasoline Range Organics (C6-C10)	51.2	20.0	50.0		102	70-130			
Surrogate: Bromofluorobenzene	0.569		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.546		0.500		109	70-130			
Matrix Spike (2409046-MS2)				Source:	E402252-	42	Prepared: 02	2/28/24 An	alyzed: 03/04/24
Gasoline Range Organics (C6-C10)	52.5	20.0	50.0	ND	105	70-130			
Surrogate: Bromofluorobenzene	0.570		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.7	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			
Matrix Spike Dup (2409046-MSD2)				Source:	Source: E402252-42		Prepared: 02	2/28/24 An	alyzed: 03/05/24
Gasoline Range Organics (C6-C10)	54.7	20.0	50.0	ND	109	70-130	4.16	20	
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.574		0.500		115	70-130			



Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/5/2024 2:35:30PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			3,	/5/2024 2:35:30PM
	Nonha	logenated Or	ganics by l	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409065-BLK1)							Prepared: 0	2/29/24 Ana	lyzed: 02/29/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.8		50.0		108	50-200			
LCS (2409065-BS1)							Prepared: 0	2/29/24 Ana	lyzed: 02/29/24
Diesel Range Organics (C10-C28)	285	25.0	250		114	38-132			
Surrogate: n-Nonane	56.3		50.0		113	50-200			
Matrix Spike (2409065-MS1)				Source:	E402254-	01	Prepared: 0	2/29/24 Ana	lyzed: 02/29/24
Diesel Range Organics (C10-C28)	8770	50.0	250	8390	153	38-132			M4
Surrogate: n-Nonane	50.7		50.0		101	50-200			
Matrix Spike Dup (2409065-MSD1)				Source:	E402254-	01	Prepared: 0	2/29/24 Ana	lyzed: 02/29/24
Diesel Range Organics (C10-C28)	8390	50.0	250	8390	2.83	38-132	4.36	20	M4
Surrogate: n-Nonane	54.2		50.0		108	50-200			

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	0	Cobber 21 Fed 1 1058-0007 Ashley Gioveng					Reported: 3/5/2024 2:35:30PM
		Anions 1	by EPA	300.0/9056 <i>A</i>	\				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2409059-BLK1)							Prepared: 0	2/28/24 A	analyzed: 02/28/24
Chloride	ND	20.0							
LCS (2409059-BS1)							Prepared: 0	2/28/24 A	analyzed: 02/28/24
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2409059-MS1)				Source:	E402253-0)1	Prepared: 0	2/28/24 A	analyzed: 02/29/24
Chloride	255	40.0	250	ND	102	80-120			
Matrix Spike Dup (2409059-MSD1)				Source:	E402253-0	01	Prepared: 0	2/28/24 A	analyzed: 02/29/24
Chloride	257	40.0	250	ND	103	80-120	0.796	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

Γ	Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/05/24 14:35

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



EF	A Pr	ogra	m
CV	VA	SD	WA
		RC	RA
Sta	ite		
UT	AZ	TX	
Rem	arks		

lient: [Devon					Bill To Lab Use Only							TA	T	EPA Program					
roject:	Cobber 21 Fed	1H			Attention: D	ale Woodall	Lab WO# Job Number			ID 2D	3D	Standard	CWA		DWA					
	Manager: Ashle				Address: 205	E Bender Road #150		E4	1022	54	0	1058	-0007				X			
	3122 Nationa					p: Hobbs NM, 88240					Aı	nalysi	and Me	thod					R	RCRA
	te, Zip: Carlsba	d NM, 88	3220		Phone: (575)				yd C										1_	
	575-988-0055 giovengo@ens	olum con			Email: dale.v	voodall@dvn.com			/OR						_		NINAL CO	State	7 TV	7
	lue by:	olum.com	1						/DRC	021	560	10	2000		ΣZ	¥	NM CO	UIA	2 17	-
Time	7.1	Law A	No. of				Lab		SRO,	by 8	by 8	ls 6c	e l		8	U U	×			
Sampled	Date Sampled	Matrix	Containers	Sample ID			Number		TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Culoride 300.0		BGDOC	GDOC		Remark	S	
10:40	1 2/26/2024	Soil	1		PH01 - 0'										х					
13:08	1 2/26/2024	Soil	1		PH01 - 6'		2								х					
10:48	12/26/2024	Soil	1		PH02 - 0'		3								х					
13:54	2 2/26/2024	Soil	1		PH02 - 8'		4								х					
10:52	£2/26/2024	Soil	1		PH03 - 0'		5								х					
12:03	£2/26/2024	Soil	1		PH03 - 5'		6								х					
field sam	pler), attest to the va	lidity and au	thenticity of		are that tampering with	@ensolum.com, dale. h or intentionally mislabelling Sampled by: Israel Estrella			com, o	chami	Sa	imples r	equiring ther	mal pre	servation	must be re	olum.com			or
linquish	ed by: (Signature)	2	Date Date	Time	Received b	y: (Signature)	Date 2.27-	24		830	R	eceiv	ed on ic	e:	Lab (Jse On N	У			
lingvish	A ()	yaler Zo	Date	27.24 Time	Received b	y: (Signature) y: (Signature)	2.27. Date 2-28-	24	Time 17 Time		T	1 VG T	emp °C_	_ 1 <i>Y</i>	72		<u>T3</u>			
mple Mat ote: Samp	rix: S - Soil, Sd - Solid ples are discarded	30 days aft	, A - Aqueou er results a	s, O - Other	other arrangements	are made. Hazardous san	Containe oples will be	r Type returne	ed to c	lient or	- po	ly/pla	stic, ag -					sis of the	above	e sam



Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

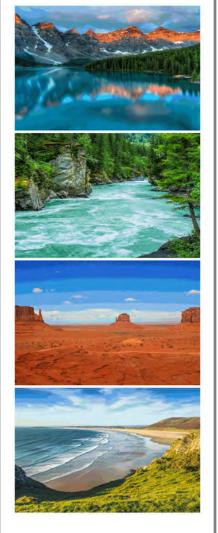
Printed: 2/28/2024 10:37:47AM

Instructions: Please take note of any NO checkmarks.

if we receive no respons	e concerning these items within 24	i hours of the date of this notice,	all the samples will be a	nalyzed as requested.

Client: Devon Energy - Carlsbad I	Date Received:	02/28/24	06:00	Work Order ID:	E402254
thone: (505) 382-1211	Date Logged In:	02/27/24	16:37	Logged In By:	Alexa Michaels
imail: ashley.giovengo@wescominc.com [Due Date:	03/05/24	17:00 (4 day TAT)		
Chain of Custody (COC)					
. 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	Carrier: Courier		
I. Was the COC complete, i.e., signatures, dates/times, requeste	d analyses?	Yes			
 Were all samples received within holding time? Note: Analysis, such as pH which should be conducted in the i.e, 15 minute hold time, are not included in this disussion. 		Yes		Commen	ts/Resolution
Sample Turn Around Time (TAT)					
. Did the COC indicate standard TAT, or Expedited TAT?		Yes			
•		100			
Sample Cooler 7. Was a sample cooler received?		Yes	1		
3. If yes, was cooler received in good condition?		Yes			
		-	į		
O. 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. Note: Thermal preservation is not required, if samples are reminutes of sampling	eceived w/i 15	Yes			
 If no visible ice, record the temperature. Actual sample te 	mperature: 4°0	<u>C</u>			
Sample Container 4. Are aqueous VOC samples present?		No			
5. Are VOC samples collected in VOA Vials?		NA	1		
6. 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			
8. Are non-VOC samples collected in the correct containers?		Yes			
9. Is the appropriate volume/weight or number of sample container	s collected?	Yes	İ		
Field Label					
0. Were field sample labels filled out with the minimum inform Sample ID?	nation:	Yes			
Date/Time Collected?		Yes			
Collectors name?		Yes			
Sample Preservation					
1. Does the COC or field labels indicate the samples were pres	erved?	No			
22. Are sample(s) correctly preserved?		NA			
4. Is lab filteration required and/or requested for dissolved met	als?	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 analyze		NA			
• • • • • • • • • • • • • • • • • • • •		IV			
Subcontract Laboratory		N.T			
28. Are samples required to get sent to a subcontract laboratory.		No NA	Subcontract Lab: NA		
29. Was a subcontract laboratory specified by the client and if so	, 411U:	1417	Subcondact Lab; NA		
Client Instruction					

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cobber 21 Fed 1H

Work Order: E402286

Job Number: 01058-0007

Received: 2/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 3/6/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 3/6/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Cobber 21 Fed 1H

Workorder: E402286

Date Received: 2/29/2024 5:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 2/29/2024 5:30:00AM, under the Project Name: Cobber 21 Fed 1H.

The analytical test results summarized in this report with the Project Name: Cobber 21 Fed 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762 whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/06/24 16:00

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
SS03-0'	E402286-01A Soil	02/27/24	02/29/24	Glass Jar, 2 oz.
SS04-0'	E402286-02A Soil	02/27/24	02/29/24	Glass Jar, 2 oz.
SS02-0'	E402286-03A Soil	02/27/24	02/29/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/6/2024 4:00:22PM

SS03-0'

E402286-01

		2.02200 01				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B		mg/kg	Ana	lyst: RKS		Batch: 2409060
Benzene	ND	0.0250	1	02/29/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/01/24	
Toluene	ND	0.0250	1	02/29/24	03/01/24	
o-Xylene	ND	0.0250	1	02/29/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/01/24	
Surrogate: 4-Bromochlorobenzene-PID		91.0 %	70-130	02/29/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO		mg/kg	Ana	Analyst: RKS		Batch: 2409060
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	02/29/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	Analyst: KM		
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		116 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2409061
Chloride	31.1	20.0		02/29/24	02/29/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/6/2024 4:00:22PM

SS04-0'

E402286-02

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2409060
Benzene	ND	0.0250	1	02/29/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/01/24	
Toluene	ND	0.0250	1	02/29/24	03/01/24	
o-Xylene	ND	0.0250	1	02/29/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/01/24	
Surrogate: 4-Bromochlorobenzene-PID		91.1 %	70-130	02/29/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2409060
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.8 %	70-130	02/29/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2410042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		116 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2409061
Amons by E111500:0/703011						



Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/6/2024 4:00:22PM

SS02-0'

E402286-03

		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2409060
Benzene	ND	0.0250	1	02/29/24	03/01/24	
Ethylbenzene	ND	0.0250	1	02/29/24	03/01/24	
Toluene	ND	0.0250	1	02/29/24	03/01/24	
o-Xylene	ND	0.0250	1	02/29/24	03/01/24	
p,m-Xylene	ND	0.0500	1	02/29/24	03/01/24	
Total Xylenes	ND	0.0250	1	02/29/24	03/01/24	
Surrogate: 4-Bromochlorobenzene-PID		90.8 %	70-130	02/29/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2409060
Gasoline Range Organics (C6-C10)	ND	20.0	1	02/29/24	03/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.3 %	70-130	02/29/24	03/01/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: KM		Batch: 2410042
Diesel Range Organics (C10-C28)	ND	25.0	1	03/05/24	03/06/24	
Oil Range Organics (C28-C36)	ND	50.0	1	03/05/24	03/06/24	
Surrogate: n-Nonane		113 %	50-200	03/05/24	03/06/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: IY		Batch: 2409061
					02/29/24	



		QC 50	41111110	iry Data					
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	01	obber 21 Fed 1058-0007 shley Gioveng				3/6	Reported: 5/2024 4:00:22PM
		Volatile O	ganics b	oy EPA 802	21B				Analyst: BA
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409060-BLK1)							Prepared: 0	2/29/24 Analy	yzed: 02/29/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.14		8.00		89.2	70-130			
LCS (2409060-BS1)							Prepared: 0	2/29/24 Analy	yzed: 02/29/24
Benzene	3.92	0.0250	5.00		78.4	70-130			
Ethylbenzene	3.97	0.0250	5.00		79.4	70-130			
Toluene	3.94	0.0250	5.00		78.9	70-130			
o-Xylene	3.91	0.0250	5.00		78.2	70-130			
p,m-Xylene	8.03	0.0500	10.0		80.3	70-130			
Total Xylenes	11.9	0.0250	15.0		79.6	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.25		8.00		90.6	70-130			
Matrix Spike (2409060-MS1)				Source:	E402281-	02	Prepared: 0	2/29/24 Analy	yzed: 02/29/24
Benzene	4.19	0.0250	5.00	ND	83.8	54-133			
Ethylbenzene	4.26	0.0250	5.00	ND	85.2	61-133			
Toluene	4.23	0.0250	5.00	ND	84.6	61-130			
o-Xylene	4.20	0.0250	5.00	ND	83.9	63-131			
p,m-Xylene	8.61	0.0500	10.0	ND	86.1	63-131			
Total Xylenes	12.8	0.0250	15.0	ND	85.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.40		8.00		92.4	70-130			
Matrix Spike Dup (2409060-MSD1)				Source:	E402281-	02	Prepared: 0	2/29/24 Analy	yzed: 02/29/24
Benzene	4.77	0.0250	5.00	ND	95.3	54-133	12.9	20	
Ethylbenzene	4.85	0.0250	5.00	ND	96.9	61-133	12.9	20	
Toluene	4.82	0.0250	5.00	ND	96.3	61-130	12.9	20	
o-Xylene	4.80	0.0250	5.00	ND	96.0	63-131	13.5	20	
p,m-Xylene	9.78 14.6	0.0500	10.0	ND ND	97.8 97.2	63-131 63-131	12.7 13.0	20 20	

8.00

7.43

92.8

70-130



Surrogate: 4-Bromochlorobenzene-PID

Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/6/2024 4:00:22PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			3/6	5/2024 4:00:22PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO		Analyst: BA	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit %	Notes
Blank (2409060-BLK1)							Prepared: 0	2/29/24 Anal	yzed: 02/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.95		8.00		99.3	70-130			
LCS (2409060-BS2)							Prepared: 0	2/29/24 Anal	yzed: 02/29/24
Gasoline Range Organics (C6-C10)	48.5	20.0	50.0		96.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.9	70-130			
Matrix Spike (2409060-MS2)				Source:	E402281-	02	Prepared: 0	2/29/24 Anal	yzed: 02/29/24
Gasoline Range Organics (C6-C10)	50.0	20.0	50.0	ND	100	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.88		8.00		98.5	70-130			
Matrix Spike Dup (2409060-MSD2)				Source:	E402281-	02	Prepared: 0	2/29/24 Anal	yzed: 02/29/24
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0	ND	112	70-130	10.8	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.84		8.00		97.9	70-130			

Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	•
Artesia NM, 88210	Project Manager:	Ashley Giovengo	3/6/2024 4:00:22PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go				3/6/2024 4:00:22PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: KM
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2410042-BLK1)							Prepared: 0	3/05/24 An	alyzed: 03/06/24
Diesel Range Organics (C10-C28)	ND	25.0							
il Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	56.0		50.0		112	50-200			
LCS (2410042-BS1)							Prepared: 0	3/05/24 An	alyzed: 03/06/24
Diesel Range Organics (C10-C28)	328	25.0	250		131	38-132			
urrogate: n-Nonane	56.0		50.0		112	50-200			
Matrix Spike (2410042-MS1)				Source:	E402288-2	21	Prepared: 0	3/05/24 An	alyzed: 03/06/24
Diesel Range Organics (C10-C28)	328	25.0	250	ND	131	38-132			
urrogate: n-Nonane	57.7		50.0		115	50-200			
Matrix Spike Dup (2410042-MSD1)				Source:	E402288-2	21	Prepared: 0	3/05/24 An	alyzed: 03/06/24
Diesel Range Organics (C10-C28)	315	25.0	250	ND	126	38-132	4.03	20	
urrogate: n-Nonane	53.8		50.0		108	50-200			



Devon Energy - Carlsbad		Project Name:		obber 21 Fed	1H				Reported:
6488 7 Rivers Hwy Artesia NM, 88210		Project Number: Project Manager		1058-0007 shley Giovens	go				3/6/2024 4:00:22PM
		Anions	by EPA 3	300.0/9056 <i>A</i>	4				Analyst: DT
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2409061-BLK1)							Prepared: 0	2/29/24 A	nalyzed: 02/29/24
Chloride	ND	20.0							
LCS (2409061-BS1)							Prepared: 0	2/29/24 A	nalyzed: 02/29/24
Chloride	249	20.0	250		99.4	90-110			
Matrix Spike (2409061-MS1)				Source:	E402277-	02	Prepared: 0	2/29/24 A	nalyzed: 02/29/24
Chloride	1680	100	250	1370	120	80-120			
Matrix Spike Dup (2409061-MSD1)				Source:	E402277-	02	Prepared: 0	2/29/24 A	nalyzed: 02/29/24
Chloride	2070	100	250	1370	280	80-120	21.2	20	M4. R3

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

Γ	Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	03/06/24 16:00

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

R3 The RPD exceeded the acceptance limit. LCS spike recovery met acceptance criteria.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



T	EF	A Pr	ogra	m
I	CV	VA	SD	WA
-			RC	RA
1	Sta	te		
I	UT	AZ	TX	
	Rem	arks		

Client: D	evon				Bill To			1	ab Us	e On	lv			TAT		EPA Pr	ogram
	Cobber 21 Fed	1H			Attention: Dale Woodall		Lab WO				Number	10	2D		Standard	CWA	SDW
	lanager: Ashle		ngo		Address: 205 E Bender Roa	nd #150	E 40	228	36	010	58-000				X		
Address:	3122 Nationa	l Parks H	wy		City, State, Zip: Hobbs NM	, 88240			-	Analy	sis and Meth	od					RCR
City, State	e, Zip: Carlsba	d NM, 88	3220		Phone: (575)748-1838		by							100			
	75-988-0055				Email: dale.woodall@dvn.	com	ORC									State	
	giovengo@ens	olum.con	n				ORO/	121	09	0	0.00	2		×	NM CO	UT AZ	TX
Report du	ue by:				(A-N	1	RO/I)y 80	y 82	5 601	ge 30			31 116	×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID		Lab Number	TPH GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	RGDOC		GDOC		Remarks	
11:32	2/27/2024	Soil	1	1000	SS03 - 0'	1						×	(
12:09	2/27/2024	Soil	1		SS04 - 0'	2						×	(
13:10	2/27/2024	Soil	1		SS02 - 0'	3						>					
								\vdash					+		1		
								\vdash				+	+		-		
															7		
												+	+	++	+		
													_				
Addition	al Instructions	: Please	CC: cbu	rton@ensolum	n.com, agiovengo@ensolum.co	m, dale.woodall@	dvn.com	, cha	milto	n@e	nsolum.cor	n, ies	strella	@enso	lum.com		
I, (field samp	oler), attest to the v	alidity and a	uthenticity o	f this sample. I am a	ware that tampering with or intentionally n	islabelling the sample loo	ation.	-		Sample	s requiring therm	al prese	rvation r	nust be rece	eived on ice the day	y they are sam	pled or
date or time	of collection is cons	idered fraud	and may be	grounds for legal ac	tion. Sampled by: Israe	l Estrella				receive	d packed in ice at	an avg t	temp abo	ove 0 but les	ss than 6 °C on sub	sequent days.	
Relinquishe	ed by: (Signature)		Date	Committee of the Commit	Received by://Signature)	Date 2.28.	7 d Time	105	10	D	eived on ice:		Lab U	se Only	8=		
Relinquishe	ed by: (Signature)		Date	Time	Received by: (Signature)	Date	Time	14	-0	Rece	eived on ice:		1	V			
Religione	ed by: (Signature)	_	Date		Received by: (Signature)	Date	70 Time	11	-	<u>T1</u>	*	<u>T2</u>		_	<u>T3</u>		
1/2/	(a)		1	-29 74	HOS RINGER A 110	14 2-19=		530	7	AVG	Temp °C	4					
- WW	rix: S - Soil, Sd - Solie			0.01	- I regular 11 Ha	The second second	r Type: g -					-	_	1101			



envirotech 187

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Printed: 2/29/2024 10:05:30AM

Instructions: Please take note of any NO checkmarks.

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

Client: Dev	on Energy - Carlsbad	Date Received:	02/29/24	05:30		Work Order ID:	E402286
Phone: (505	5) 382-1211	Date Logged In:	02/28/24	16:11		Logged In By:	Alexa Michaels
Email: ashl	ey.giovengo@wescominc.com	Due Date:	03/06/24	17:00 (4 day TAT)			
Chain of Cust	ody (COC)						
l. Does the san	mple ID match the COC?		Yes				
	mber of samples per sampling site location mat	ch the COC	Yes				
3. Were sample	es dropped off by client or carrier?		Yes	Carrier:	Courier		
4. Was the CO	C complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
Note	nples received within holding time? e: Analysis, such as pH which should be conducted in 15 minute hold time, are not included in this disucssion		Yes			Commen	ts/Resolution
	Around Time (TAT) C indicate standard TAT, or Expedited TAT?		Yes		ł		
Sample Coole	·						
	e cooler received?		Yes				
	cooler received in good condition?		Yes		1		
• .	pple(s) received intact, i.e., not broken?		Yes		1		
	• ``				1		
	ody/security seals present?		No		(
• -	e custody/security seals intact?		NA				
Note min	ple received on ice? If yes, the recorded temp is 4°C, e: Thermal preservation is not required, if samples ar utes of sampling le ice, record the temperature. Actual sample		Yes <u>C</u>				
Sample Conta	iner						
	us VOC samples present?		No				
•	samples collected in VOA Vials?		NA				
	space less than 6-8 mm (pea sized or less)?		NA				
	blank (TB) included for VOC analyses?		NA				
	OC samples collected in the correct containers'	?	Yes				
	priate volume/weight or number of sample contain		Yes				
Field Label							
	sample labels filled out with the minimum info	ermation:					
Sample			Yes				
	ime Collected?		Yes		L		
Collect	tors name?		Yes				
Sample Preser							
	COC or field labels indicate the samples were pr	reserved?	No				
	e(s) correctly preserved?		NA				
24. Is lab filter	ation required and/or requested for dissolved n	netals?	No				
Multiphase Sa							
26. Does the sa	ample have more than one phase, i.e., multipha	se?	No				
27. If yes, does	s the COC specify which phase(s) is to be analy	zed?	NA				
Subcontract L	Laboratory						
	es required to get sent to a subcontract laborato	гу?	No				
	contract laboratory specified by the client and it		NA	Subcontract La	ıb: NA		
Client Instru	ction						

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cobber 21 Fed 1H

Work Order: E403280

Job Number: 01058-0007

Received: 3/29/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 4/4/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 4/4/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Cobber 21 Fed 1H

Workorder: E403280

Date Received: 3/29/2024 7:15:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/29/2024 7:15:00AM, under the Project Name: Cobber 21 Fed 1H.

The analytical test results summarized in this report with the Project Name: Cobber 21 Fed 1H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Alexa Michaels

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Golzales

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

G 11 505 045 0000

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	Donoutodi
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/04/24 09:26

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
SS01 -0'	E403280-01A	Soil	03/28/24	03/29/24	Glass Jar, 2 oz.
SS05 -0'	E403280-02A	Soil	03/28/24	03/29/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/4/2024 9:26:21AM

SS01 -0' E403280-01

		Reporting					
Analyte	Result	Limit	Dil	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	RKS		Batch: 2413121
Benzene	ND	0.0250		1	03/29/24	03/29/24	
Ethylbenzene	ND	0.0250		1	03/29/24	03/29/24	
Toluene	ND	0.0250		1	03/29/24	03/29/24	
o-Xylene	ND	0.0250		1	03/29/24	03/29/24	
p,m-Xylene	ND	0.0500		1	03/29/24	03/29/24	
Total Xylenes	ND	0.0250		1	03/29/24	03/29/24	
Surrogate: Bromofluorobenzene		104 %	70-130		03/29/24	03/29/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/29/24	03/29/24	
Surrogate: Toluene-d8		103 %	70-130		03/29/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	RKS		Batch: 2413121
Gasoline Range Organics (C6-C10)	ND	20.0		1	03/29/24	03/29/24	
Surrogate: Bromofluorobenzene		104 %	70-130		03/29/24	03/29/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130		03/29/24	03/29/24	
G							
Surrogate: Toluene-d8		103 %	70-130		03/29/24	03/29/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	103 % mg/kg	70-130	Analyst:		03/29/24	Batch: 2414003
	mg/kg ND		70-130	Analyst:		03/29/24	Batch: 2414003
Nonhalogenated Organics by EPA 8015D - DRO/ORO		mg/kg	70-130	Analyst:	KM		Batch: 2414003
Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28)	ND	mg/kg 25.0	70-130 50-200	Analyst:	KM 04/01/24	04/02/24	Batch: 2414003
Nonhalogenated Organics by EPA 8015D - DRO/ORO Diesel Range Organics (C10-C28) Oil Range Organics (C28-C36)	ND	mg/kg 25.0 50.0		Analyst: 1 1 Analyst:	M 04/01/24 04/01/24 04/01/24	04/02/24 04/02/24	Batch: 2414003 Batch: 2413122



Devon Energy - CarlsbadProject Name:Cobber 21 Fed 1H6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo4/4/20249:26:21AM

SS05 -0' E403280-02

		E:00200 02				
Analyte	Result	Reporting Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2413121
Benzene	ND	0.0250	1	03/29/24	03/30/24	
Ethylbenzene	ND	0.0250	1	03/29/24	03/30/24	
Toluene	ND	0.0250	1	03/29/24	03/30/24	
o-Xylene	ND	0.0250	1	03/29/24	03/30/24	
p,m-Xylene	ND	0.0500	1	03/29/24	03/30/24	
Total Xylenes	ND	0.0250	1	03/29/24	03/30/24	
Surrogate: Bromofluorobenzene		103 %	70-130	03/29/24	03/30/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	03/29/24	03/30/24	
Surrogate: Toluene-d8		103 %	70-130	03/29/24	03/30/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: RKS		Batch: 2413121
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/29/24	03/30/24	
Surrogate: Bromofluorobenzene		103 %	70-130	03/29/24	03/30/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	03/29/24	03/30/24	
Surrogate: Toluene-d8		103 %	70-130	03/29/24	03/30/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: KM		Batch: 2414003
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/24	04/02/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/24	04/02/24	
Surrogate: n-Nonane		75.9 %	50-200	04/01/24	04/02/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2413122
Chloride	133	20.0	1	03/29/24	03/29/24	

Devon Energy - Carlsbad Cobber 21 Fed 1H Project Name: Reported: Project Number: 6488 7 Rivers Hwy 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 4/4/2024 9:26:21AM **Volatile Organic Compounds by EPA 8260B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Prepared: 03/29/24 Analyzed: 03/29/24 Blank (2413121-BLK1) ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 ND 0.0250 Total Xylenes Surrogate: Bromofluorobenzene 0.545 0.500 109 70-130 Surrogate: 1,2-Dichloroethane-d4 0.504 0.500 101 70-130 0.500 107 70-130 Surrogate: Toluene-d8 0.537 LCS (2413121-BS1) Prepared: 03/29/24 Analyzed: 03/29/24 2.47 0.0250 2.50 98.9 70-130 Benzene 2.50 70-130 2.53 101 Ethylbenzene 0.0250 2.41 0.0250 2.50 96.3 70-130 2.43 97.3 70-130 0.0250 2.50 o-Xylene 4.82 5.00 96.4 70-130 p,m-Xylene 0.0500 7.25 0.0250 7.50 96.7 70-130 Total Xylenes Surrogate: Bromofluorobenzene 0.501 0.500 100 70-130 0.500 97.3 70-130 Surrogate: 1,2-Dichloroethane-d4 0.487 70-130 Surrogate: Toluene-d8 0.508 0.500 Matrix Spike (2413121-MS1) Source: E403280-01 Prepared: 03/29/24 Analyzed: 03/29/24 48-131 2.43 0.0250 2.50 ND 97.2 45-135 Ethylbenzene 2.48 0.0250 2.50 ND 99.1 48-130 Toluene 2.36 0.0250 2.50 ND 94.6 2.40 0.0250 2.50 ND 95.8 43-135 o-Xylene 4.74 5.00 ND 94.8 43-135 p,m-Xylene 0.0500 Total Xylenes 7.14 0.0250 7.50 ND 95.2 43-135 99.3 Surrogate: Bromofluorobenzene 0.497 0.500 70-130 0.500 101 70-130 Surrogate: 1,2-Dichloroethane-d4 0.504 0.500 70-130 0.506 Surrogate: Toluene-d8 Matrix Spike Dup (2413121-MSD1) Source: E403280-01 Prepared: 03/29/24 Analyzed: 03/29/24 2.40 0.0250 2.50 ND 96.1 48-131 1.18 23 2.55 0.0250 2.50 ND 45-135 2.83 27 Ethylbenzene ND 97.0 48-130 2.57 24 2.43 2.50 Toluene 0.0250 o-Xylene 2.54 0.0250 2.50 ND 102 43-135 5.99 27 5.08 5.00 ND 102 43-135 6.80 27 0.0500 p,m-Xylene 27 7.62 0.0250 7.50 ND 102 43-135 6.53 Total Xylenes Surrogate: Bromofluorobenzene 0.509 0.500 102 70-130



0.500

0.500

0.483

0.514

96.6

70-130

70-130

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Surrogate: Toluene-d8

Surrogate: 1,2-Dichloroethane-d4

0.495

QC Summary Data

Cobber 21 Fed 1H Devon Energy - Carlsbad Project Name: Reported:

6488 7 Rivers Hwy		Project Number:		01058-0007					reporteu.
Artesia NM, 88210		Project Manager:		Ashley Giovengo					4/4/2024 9:26:21AN
	No	nhalogenated O	rganic	es by EPA 8015	D - GF	RO			Analyst: RKS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2413121-BLK1)							Prepared: 0	3/29/24 A	nalyzed: 03/29/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.545		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.537		0.500		107	70-130			
LCS (2413121-BS2)							Prepared: 0	3/29/24 A	nalyzed: 03/29/24
Gasoline Range Organics (C6-C10)	56.8	20.0	50.0		114	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike (2413121-MS2)				Source: E4	03280-0	1	Prepared: 0	3/29/24 A	nalyzed: 03/29/24
Gasoline Range Organics (C6-C10)	53.0	20.0	50.0	ND	106	70-130			
Surrogate: Bromofluorobenzene	0.526		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			
Matrix Spike Dup (2413121-MSD2)				Source: E4	03280-0	1	Prepared: 0	3/29/24 A	nalyzed: 03/29/24
Gasoline Range Organics (C6-C10)	54.2	20.0	50.0	ND	108	70-130	2.23	20	
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130			

0.500

0.500

98.9

103

70-130

70-130



Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	4/4/2024 9:26:21AM

			24 9:20:21AN
)15D - DRO/OR	RO	Ana	lyst: KM
		RPD Limit	
kg %	% %	%	Notes
	Prepared	: 04/01/24 Analyze	d: 04/02/24
74.3 50	0-200		
	Prepared	: 04/01/24 Analyze	d: 04/02/24
105 38	8-132		
77.2 50	0-200		
ırce: E403262-04	Prepared	: 04/01/24 Analyze	d: 04/02/24
0 149 38	8-132		M4
72.1 50	0-200		
ırce: E403262-04	Prepared	: 04/01/24 Analyze	d: 04/02/24
0 120 38	8-132 2.37	20	
0 120 5	0 132 2.37	20	
k l	74.3 5 105 3 77.2 5 105 43 77.2 5 105 3 77.2 5 105 3 77.2 5 105 3 77.2 5	Prepared 74.3 50-200 Prepared 105 38-132 77.2 50-200 Prepared 109 38-132 72.1 50-200 Prepared Rec Rec Limits RPD Limit	



Chloride

QC Summary Data

Devon Energy - Carlsbad	Project Name:		obber 21 Fed	1H				Reported:				
6488 7 Rivers Hwy Artesia NM, 88210		Project Number: Project Manager	1058-0007 shley Gioveng	go			4/4/2024 9:26:21AM					
	Analyst: IY											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit				
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes			
Blank (2413122-BLK1)				Prepared: 0	3/29/24 A	nalyzed: 03/29/24						
Chloride	ND	20.0										
LCS (2413122-BS1)						Prepared: 0	3/29/24 A	nalyzed: 03/29/24				
Chloride	249	20.0	250		99.7	90-110						
Matrix Spike (2413122-MS1)				Source:	E403275-	05	Prepared: 0	3/29/24 A	nalyzed: 03/29/24			
Chloride	371	20.0	250	88.8	113	80-120						
Matrix Spike Dup (2413122-MSD1)				Source:	E403275-	05	Prepared: 0	: 03/29/24 Analyzed: 03/29/24				

250

20.0

112

80-120

0.300

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

Γ	Devon Energy - Carlsbad	Project Name:	Cobber 21 Fed 1H	
l	6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
l	Artesia NM, 88210	Project Manager:	Ashley Giovengo	04/04/24 09:26

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Page _	of	Received
EPA Pr	ogram	by OCD:
CWA	SDWA	000
	RCRA	D: 10/2/2024
State		22
JT AZ	TX)24
		1:
emarks		1:02:23 PM
		PM

Client: Devon				Bill To		Lab Use Only						1	TAT EPA Program						rogram			
Project: Cobber 21 Federal 1H					Attention: Dale Woodall		Lab _e WQ#			Job Number				1D 2D 3D			Sta	andard	CWA	SDWA		
Project Manager: Ashley Giovengo				Address: 205 E Bender Road #150		E	Lab WO# E-103 Z80		0	01058-0007			37					X				
Address: 3122 National Parks Hwy					City, State, Zip: Hobbs NM, 88240							Analysis and Method									RCRA	
City, State, Zip: Carlsbad NM, 88220				Phone: (575)748-1838			by						Т									
Phone: 575-988-0055				Email: dale.woodall@dvn.com			S										i [State			
Email: agiovengo@ensolum.com							8	ន	0	اہا	0.0		- 1	₹			[NM CO	UT AZ	TX		
Report d	ue by:			_				1	0	8	826	109	e 30						[×		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample IC)		Lab Number		ТРН GRO/DRO/ORO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			верос		GDOC			Remarks	
11:20	3/28/2024	Soil	1			SS01 - 0'	1.1									x						
10:40	3/28/2024	Soil	1			SS05 - 0'	2									x						
									• • •													
															\top							
															\top							
															\dagger							
													_		\dagger	7						
										_					Ť	\dashv						
Addition	al Instructions	: Please	CC: cbu	rton@ens	olum.co	m, agiovengo@ensolum.com	, dale.woodall@	dvn.	.com,	chan	nilto	n@e	nsol	um.co	m, i	estr	ella(@ens	solum	n.com		
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample I date or time of collection is considered fraud and may be grounds for legal action.								ation,				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.							led or			
	ed by: (Signature)	-acieu nauu	Date		Time	Sampled by: Israel E Received by: (Signatore)	Date		Tîme									e On				
l ' -	254		3/	28/24	11:2		- 3-28	24	14	36	,	Rece	ived	on ice			/ N		ii y			
Relinquished by: (Signature) 3/28/24 1/ Date Time			Time	Received by: (Signature)	Date					Received on ice: ② / N <u>T1</u>												
Relinquished by: (Signature) Date Time Received by: (Signature) 3.28.24 2400					Received by: (Signature)	3/29	3/29/24 07/5 AVG Temp °C_4															
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other						Containe	Тур	e: g - g	lass,					mbei	gla:	SS, V	- VO/	Δ				
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will							ous samples will be r	eturn	ed to d	lient o	or dis	posed								r the analys	sis of the al	ove sampl
is applicabl	e only to those sa	mples recei	ved by the	laboratory	with this C	OC. The liability of the laboratory is I	limited to the amoun	t paid	for or	the r	eport	: .								•		. [

envirotechia expense. The report for the analysis of the above sample age 72 of 187

Printed: 4/1/2024 1:03:34PM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

it we receive no response concerning these items within 24 hours of the date of this notice, an the samples will be analyzed as requested.									
Client:	Devon Energy - Carlsbad	Date Received:	03/29/24 07:15	Work Order ID:	E403280				
Phone:	(505) 382-1211	Date Logged In:	03/29/24 08:55	Logged In By:	Angelina Pineda				

Client:	Devon Energy - Carlsbad	Date Received:	03/29/24 07:	15	•	Vork Order ID:	E403280
Phone:	(505) 382-1211	Date Logged In:	03/29/24 08:	55	I	ogged In By:	Angelina Pineda
Email:	ashley.giovengo@wescominc.com	Due Date:	04/04/24 17:	00 (4 day TAT)			
							
Chain of	Custody (COC)						
1. Does th	e sample ID match the COC?		Yes				
	e number of samples per sampling site location mat	ch the COC	Yes				
3. Were sa	imples dropped off by client or carrier?		Yes	Carrier: Cour	rier		
4. Was the	COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
5. Were al	I samples received within holding time?		Yes				
	Note: Analysis, such as pH which should be conducted in i.e. 15 minute hold time, are not included in this disucssion.					Comment	s/Resolution
	urn Around Time (TAT) COC indicate standard TAT, or Expedited TAT?		Yes				
Sample C	ooler_						
7. Was a s	ample cooler received?		Yes	į			
8. If yes, v	vas cooler received in good condition?		Yes	Į.			
9. Was the	sample(s) received intact, i.e., not broken?		Yes	ł			
	custody/security seals present?		No	j			
	were custody/security seals intact?		NA	1			
•	sample received on ice? If yes, the recorded temp is 4°C,	ie 6°+2°C	Yes	ì			
	Note: Thermal preservation is not required, if samples are minutes of sampling	received w/i 15					
13. If no v	risible ice, record the temperature. Actual sample	temperature: 4°C	±				
Sample C							
	ueous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
18. Are no	on-VOC samples collected in the correct containers:	•	Yes				
19. Is the a	ppropriate volume/weight or number of sample contain	ers collected?	Ycs				
Field Lab	<u>el</u>						
Sa	field sample labels filled out with the minimum info imple ID?	rmation:	Yes				
	nte/Time Collected?		Yes				
-	ollectors name?		Yes				
	reservation_	40					
	he COC or field labels indicate the samples were pr	eservea?	No				
	mple(s) correctly preserved?		NA Na				
24. Is lab	filteration required and/or requested for dissolved m	etais?	No				
	se Sample Matrix						
	he sample have more than one phase, i.e., multiphas		No				
27. If yes,	does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontra	act Laboratory						
28. Arc sa	mples required to get sent to a subcontract laborator	y?	No				
29. Was a	subcontract laboratory specified by the client and if	`so who?	NA S	ubcontract Lab: N	Α		
Client In	struction						
}							
1							
]							
1							
							

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

envirotech Inc.

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy - Carlsbad

Project Name: Cobber 21 Federal #001H

Work Order: E409059

Job Number: 01058-0007

Received: 9/7/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/13/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/13/24

Ashley Giovengo 6488 7 Rivers Hwy Artesia, NM 88210

Project Name: Cobber 21 Federal #001H

Workorder: E409059

Date Received: 9/7/2024 7:30:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/7/2024 7:30:00AM, under the Project Name: Cobber 21 Federal #001H.

The analytical test results summarized in this report with the Project Name: Cobber 21 Federal #001H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy - CarlsbadProject Name:Cobber 21 Federal #001HReported:6488 7 Rivers HwyProject Number:01058-0007Reported:Artesia NM, 88210Project Manager:Ashley Giovengo09/13/24 13:12

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS46 - 0.5'	E409059-01A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS42 - 0'	E409059-02A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS36 - 0.5'	E409059-03A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS35 - 0'	E409059-04A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS34 - 0'	E409059-05A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS30 - 0'	E409059-06A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS29 - 0'	E409059-07A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS28 - 0'	E409059-08A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS27 - 0'	E409059-09A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS26 - 0'	E409059-10A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS55 - 0'	E409059-11A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS49 - 0'	E409059-12A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS48 - 0'	E409059-13A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS47 - 0'	E409059-14A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS38 - 0'	E409059-15A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS37 - 0'	E409059-16A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS50 - 0.5'	E409059-17A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS53 - 0.5'	E409059-18A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS54 - 0.5'	E409059-19A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS52 - 0.5'	E409059-20A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS22 - 0'	E409059-21A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS17 - 0'	E409059-22A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.
FS01 - 0.5'	E409059-23A	Soil	09/05/24	09/07/24	Glass Jar, 2 oz.



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS46 - 0.5' E409059-01

E409059-01							
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes	
Analyte	Result	Limit	Dilution	Trepared	Allalyzed	Notes	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005	
Benzene	ND	0.0250	1	09/09/24	09/10/24		
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24		
Toluene	ND	0.0250	1	09/09/24	09/10/24		
o-Xylene	ND	0.0250	1	09/09/24	09/10/24		
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24		
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24		
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	09/09/24	09/10/24		
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24		
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	09/09/24	09/10/24		
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2437008	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24		
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24		
Surrogate: n-Nonane		73.1 %	50-200	09/09/24	09/11/24		
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2437016	
Chloride	1280	20.0	1	09/09/24	09/09/24		



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS42 - 0' E409059-02

	E-107037-02				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2437005
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0500	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
	87.2 %	70-130	09/09/24	09/10/24	
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2437005
ND	20.0	1	09/09/24	09/10/24	
	97.9 %	70-130	09/09/24	09/10/24	
mg/kg	mg/kg	Ana	lyst: AF		Batch: 2437008
83.0	25.0	1	09/09/24	09/11/24	
ND	50.0	1	09/09/24	09/11/24	
	68.0 %	50-200	09/09/24	09/11/24	
mg/kg	mg/kg	Ana	lyst: WF		Batch: 2437016
3820	40.0	2	09/09/24	09/09/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 83.0 ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 87.2 % mg/kg mg/kg mg/kg ND 20.0 97.9 % mg/kg mg/kg mg/kg ND 50.0 68.0 % mg/kg mg/kg mg/kg	Result Limit Dilution mg/kg mg/kg Anai ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 87.2 % 70-130 mg/kg mg/kg Anai ND 20.0 1 97.9 % 70-130 mg/kg mg/kg Anai 83.0 25.0 1 ND 50.0 1 68.0 % 50-200 mg/kg mg/kg Anai	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0500 1 09/09/24 ND 0.0250 1 09/09/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/09/24 mg/kg mg/kg Analyst: AF 83.0 25.0 1 09/09/24 ND 50.0 1 09/09/24 MD 50.0 1 09/09/24 MD 50.0 1 09/09/24 Mg/kg Mg/kg Analyst: AF	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/09/24 09/10/24 ND 0.0500 1 09/09/24 09/10/24 ND 0.0250 1 09/09/24 09/10/24 87.2 % 70-130 09/09/24 09/10/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/09/24 09/10/24 mg/kg mg/kg Analyst: AF 83.0 25.0 1 09/09/24 09/11/24 ND 50.0 1 09/09/24 09/11/24 MD 50.0 1 09/09/24 09/11/24 MD 50.0 0 09/09/24 09/11/24 MD

Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS36 - 0.5' E409059-03

		E409059-03				
Austra	Dk	Reporting	Dila:	D	A	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2437005
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: 4-Bromochlorobenzene-PID		90.5 %	70-130	09/09/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2437005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	09/09/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2437008
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		68.1 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2437016
Chloride	1570	20.0	1	09/09/24	09/09/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS35 - 0' E409059-04

		E409059-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Ellilit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: 4-Bromochlorobenzene-PID		88.6 %	70-130	09/09/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.4 %	70-130	09/09/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2437008
Diesel Range Organics (C10-C28)	85.6	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		70.2 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2437016
Chloride	1690	40.0	2	09/09/24	09/10/24	

Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS34 - 0' E409059-05

		E409059-05				
Aughte	Result	Reporting Limit	Dilution	Duomono d	Analyzed	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: 4-Bromochlorobenzene-PID		88.6 %	70-130	09/09/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.5 %	70-130	09/09/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2437008
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		68.8 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2437016
Chloride	379	20.0	1	09/09/24	09/10/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS30 - 0' E409059-06

	E409039-00				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	•		Batch: 2437005
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0500	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
	87.7 %	70-130	09/09/24	09/10/24	
mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2437005
ND	20.0	1	09/09/24	09/10/24	
	98.4 %	70-130	09/09/24	09/10/24	
mg/kg	mg/kg	Anal	lyst: AF		Batch: 2437008
93.3	25.0	1	09/09/24	09/11/24	
ND	50.0	1	09/09/24	09/11/24	
	58.2 %	50-200	09/09/24	09/11/24	
mg/kg	mg/kg	Anal	lyst: WF		Batch: 2437016
5140	100	5	09/09/24	09/10/24	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg 93.3 ND	Result Reporting mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 87.7 % mg/kg mg/kg mg/kg ND 20.0 98.4 % mg/kg mg/kg mg/kg ND 50.0 58.2 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 87.7 % 70-130 mg/kg mg/kg Ana ND 20.0 1 98.4 % 70-130 mg/kg mg/kg Ana 93.3 25.0 1 ND 50.0 1 58.2 % 50-200 mg/kg mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0500 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/09/24 mg/kg mg/kg Analyst: AF 93.3 25.0 1 09/09/24 ND 50.0 1 09/09/24 ND 50.0 1 09/09/24 Mg/kg mg/kg Analyst: AF	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/09/24 09/10/24 ND 0.0500 1 09/09/24 09/10/24 ND 0.0250 1 09/09/24 09/10/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/09/24 09/10/24 mg/kg mg/kg Analyst: AF 93.3 25.0 1 09/09/24 09/10/24 ND 50.0 1 09/09/24 09/11/24 ND 50.0 1 09/09/24 09/11/24 mg/kg mg/kg Analyst: AF 09/09/24 09/11/24 58.2 % 50-200 09/09/24<



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS29 - 0' E409059-07

		E409059-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Tillalyte	Result	Liiiit	Dilution	Trepared	7 thary zed	rotes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: 4-Bromochlorobenzene-PID		88.2 %	70-130	09/09/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	09/09/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2437008
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		66.5 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2437016
Chloride	1200	20.0	1	09/09/24	09/09/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS28 - 0' E409059-08

	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2437005
Igames by ETA 0021B	ND	0.0250	1	09/09/24	09/10/24	
ne	ND	0.0250	1	09/09/24	09/10/24	
	ND	0.0250	1	09/09/24	09/10/24	
	ND	0.0250	1	09/09/24	09/10/24	
	ND	0.0500	1	09/09/24	09/10/24	
ies	ND	0.0250	1	09/09/24	09/10/24	
-Bromochlorobenzene-PID		87.3 %	70-130	09/09/24	09/10/24	
enated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	rst: RKS		Batch: 2437005
ange Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
-Chloro-4-fluorobenzene-FID		98.1 %	70-130	09/09/24	09/10/24	
enated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	rst: AF		Batch: 2437008
ge Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	-
Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
-Nonane		70.3 %	50-200	09/09/24	09/11/24	
EDA 200 0/0056 A	mg/kg	mg/kg	Analy	rst: WF		Batch: 2437016
EPA 300.0/9056A	88	88	,			
enated Organics by EPA 8015D - GRO ange Organics (C6-C10) -Chloro-4-fluorobenzene-FID enated Organics by EPA 8015D - DRO/ORO ge Organics (C10-C28) Organics (C28-C36) -Nonane	ND mg/kg ND ND	mg/kg 20.0 98.1 % mg/kg 25.0 50.0	Analy 1 70-130 Analy 1 1 1 50-200	99/09/24 09/09/24 09/09/24 99/09/24 09/09/24 09/09/24	((09/10/24 09/10/24 09/11/24 09/11/24



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS27 - 0' E409059-09

		E409059-09				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2437005
Benzene	ND	0.0250	1	09/09/24	09/10/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/10/24	
Toluene	ND	0.0250	1	09/09/24	09/10/24	
o-Xylene	ND	0.0250	1	09/09/24	09/10/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/10/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/10/24	
Surrogate: 4-Bromochlorobenzene-PID		88.2 %	70-130	09/09/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2437005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/10/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	09/09/24	09/10/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2437008
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		66.5 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2437016
Chloride	351	20.0	1	09/09/24	09/10/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS26 - 0' E409059-10

	E407037 10				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
ND	0.0500	1	09/09/24	09/10/24	
ND	0.0250	1	09/09/24	09/10/24	
	89.7 %	70-130	09/09/24	09/10/24	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
ND	20.0	1	09/09/24	09/10/24	
	96.7 %	70-130	09/09/24	09/10/24	
mg/kg	mg/kg	Anal	yst: AF		Batch: 2437008
212	25.0	1	09/09/24	09/11/24	
82.4	50.0	1	09/09/24	09/11/24	
	74.7 %	50-200	09/09/24	09/11/24	
mg/kg	mg/kg	Anal	yst: WF		Batch: 2437016
625	20.0	1	09/09/24	09/10/24	
	mg/kg ND ND ND ND ND ND ND ND The state of t	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 89.7 % mg/kg MD 20.0 96.7 % mg/kg mg/kg mg/kg 212 25.0 82.4 50.0 74.7 % mg/kg mg/kg mg/kg	mg/kg mg/kg Anal ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 89.7 % 70-130 mg/kg mg/kg Anal ND 20.0 1 96.7 % 70-130 1 mg/kg mg/kg Anal 212 25.0 1 82.4 50.0 1 74.7 % 50-200 mg/kg mg/kg Anal	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0500 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/09/24 mg/kg mg/kg Analyst: AF 212 25.0 1 09/09/24 82.4 50.0 1 09/09/24 mg/kg mg/kg Analyst: AF	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/09/24 09/10/24 ND 0.0250 1 09/09/24 09/10/24 ND 0.0250 1 09/09/24 09/10/24 ND 0.0500 1 09/09/24 09/10/24 ND 0.0250 1 09/09/24 09/10/24 ND 0.0250 1 09/09/24 09/10/24 89.7 % 70-130 09/09/24 09/10/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/09/24 09/10/24 mg/kg mg/kg Analyst: AF 212 25.0 1 09/09/24 09/11/24 82.4 50.0 1 09/09/24 09/11/24 mg/kg mg/kg Analyst: AF



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS55 - 0' E409059-11

E409059-11								
	D 1:	Reporting	D 3.43	D 1		N		
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005		
Benzene	ND	0.0250	1	09/09/24	09/11/24			
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24			
Toluene	ND	0.0250	1	09/09/24	09/11/24			
o-Xylene	ND	0.0250	1	09/09/24	09/11/24			
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24			
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24			
Surrogate: 4-Bromochlorobenzene-PID		87.9 %	70-130	09/09/24	09/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005		
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.7 %	70-130	09/09/24	09/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: AF		Batch: 2437008		
Diesel Range Organics (C10-C28)	154	25.0	1	09/09/24	09/11/24			
Oil Range Organics (C28-C36)	182	50.0	1	09/09/24	09/11/24			
Surrogate: n-Nonane		69.9 %	50-200	09/09/24	09/11/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2437016		
Chloride	760	20.0	1	09/09/24	09/10/24			



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS49 - 0' E409059-12

E407037-12								
Reporting								
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2437005		
Benzene	ND	0.0250	1	09/09/24	09/11/24			
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24			
Toluene	ND	0.0250	1	09/09/24	09/11/24			
o-Xylene	ND	0.0250	1	09/09/24	09/11/24			
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24			
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24			
Surrogate: 4-Bromochlorobenzene-PID		88.0 %	70-130	09/09/24	09/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2437005		
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	09/09/24	09/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: AF		Batch: 2437008		
Diesel Range Organics (C10-C28)	43.9	25.0	1	09/09/24	09/11/24			
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24			
Surrogate: n-Nonane		66.7 %	50-200	09/09/24	09/11/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2437016		
Chloride	2100	40.0	2	09/09/24	09/10/24			



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS48 - 0' E409059-13

	E407037 15				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
ND	0.0250	1	09/09/24	09/11/24	
ND	0.0250	1	09/09/24	09/11/24	
ND	0.0250	1	09/09/24	09/11/24	
ND	0.0250	1	09/09/24	09/11/24	
ND	0.0500	1	09/09/24	09/11/24	
ND	0.0250	1	09/09/24	09/11/24	
	88.3 %	70-130	09/09/24	09/11/24	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
ND	20.0	1	09/09/24	09/11/24	
	97.9 %	70-130	09/09/24	09/11/24	
mg/kg	mg/kg	Anal	yst: AF		Batch: 2437008
137	25.0	1	09/09/24	09/11/24	
ND	50.0	1	09/09/24	09/11/24	
	65.4 %	50-200	09/09/24	09/11/24	
mg/kg	mg/kg	Anal	yst: WF		Batch: 2437016
7380	100	5	09/09/24	09/10/24	
	mg/kg ND Mg/kg ND mg/kg 137 ND	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 88.3 % mg/kg Mg/kg mg/kg ND 20.0 97.9 % mg/kg mg/kg mg/kg ND 50.0 65.4 % mg/kg mg/kg mg/kg	Reporting Result Limit Dilution mg/kg mg/kg Anal ND 0.0250 1 88.3 % 70-130 mg/kg mg/kg Anal ND 20.0 1 97.9 % 70-130 mg/kg mg/kg Anal 137 25.0 1 ND 50.0 1 65.4 % 50-200 mg/kg Mg/kg Anal	Reporting Result Limit Dilution Prepared mg/kg Manalyst: RKS ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0250 1 09/09/24 ND 0.0500 1 09/09/24 ND 0.0250 1 09/09/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/09/24 mg/kg mg/kg Analyst: AF 137 25.0 1 09/09/24 ND 50.0 1 09/09/24 ND 50.0 1 09/09/24 Mg/kg Mg/kg Analyst: AF	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 09/09/24 09/11/24 ND 0.0250 1 09/09/24 09/11/24 ND 0.0250 1 09/09/24 09/11/24 ND 0.0500 1 09/09/24 09/11/24 ND 0.0250 1 09/09/24 09/11/24 ND 0.0250 1 09/09/24 09/11/24 mg/kg mg/kg Analyst: RKS ND 20.0 1 09/09/24 09/11/24 mg/kg mg/kg Analyst: AF 137 25.0 1 09/09/24 09/11/24 ND 50.0 1 09/09/24 09/11/24 ND 50.0 1 09/09/24 09/11/24 mg/kg mg/kg Analyst: AF



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS47 - 0' E409059-14

		E407037-14				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Thatye	resur	- Emili	Bitation	Trepared	7 Hary Zea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analys	st: RKS		Batch: 2437005
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		89.5 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analys	st: RKS		Batch: 2437005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analys	st: AF		Batch: 2437008
Diesel Range Organics (C10-C28)	104	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		69.0 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analys	st: WF		Batch: 2437016
Chloride	1050	40.0	2	09/09/24	09/10/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS38 - 0' E409059-15

		E407037-13							
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes			
				1					
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2437005			
Benzene	ND	0.0250	1	09/09/24	09/11/24				
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24				
Toluene	ND	0.0250	1	09/09/24	09/11/24				
o-Xylene	ND	0.0250	1	09/09/24	09/11/24				
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24				
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24				
Surrogate: 4-Bromochlorobenzene-PID		88.6 %	70-130	09/09/24	09/11/24				
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2437005			
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24				
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.0 %	70-130	09/09/24	09/11/24				
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2437008			
Diesel Range Organics (C10-C28)	63.4	25.0	1	09/09/24	09/11/24				
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24				
Surrogate: n-Nonane		68.1 %	50-200	09/09/24	09/11/24				
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2437016			
Chloride	376	20.0	1	09/09/24	09/10/24				



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS37 - 0' E409059-16

		E-107037-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		89.0 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2437005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.8 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2437008
Diesel Range Organics (C10-C28)	144	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	71.0	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		68.4 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2437016
Chloride	3240	40.0	2	09/09/24	09/10/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS50 - 0.5' E409059-17

		E409039-17				
Analyte	Result	Reporting Limit	Dilutior	n Prepared	Analyzed	Notes
. I.m., ve				1	1 11111) 200	
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2437005
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		89.6 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2437005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		97.9 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: AF		Batch: 2437008
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		65.8 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2437016
Chloride	1400	20.0	1	09/09/24	09/10/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS53 - 0.5'

E409059-18								
Reporting								
Analyte	Result	Limit	Dilutio	n Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	alyst: RKS		Batch: 2437005		
Benzene	ND	0.0250	1	09/09/24	09/11/24			
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24			
Toluene	ND	0.0250	1	09/09/24	09/11/24			
o-Xylene	ND	0.0250	1	09/09/24	09/11/24			
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24			
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24			
Surrogate: 4-Bromochlorobenzene-PID		90.4 %	70-130	09/09/24	09/11/24			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	alyst: RKS		Batch: 2437005		
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24			
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.2 %	70-130	09/09/24	09/11/24			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	alyst: AF		Batch: 2437008		
Diesel Range Organics (C10-C28)	124	25.0	1	09/09/24	09/11/24			
Oil Range Organics (C28-C36)	71.5	50.0	1	09/09/24	09/11/24			
Surrogate: n-Nonane		68.2 %	50-200	09/09/24	09/11/24			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: WF		Batch: 2437016		
Chloride	1710	40.0	2	09/09/24	09/10/24			



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS54 - 0.5' E409059-19

		E-10/03/-1/				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2437005
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		88.7 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2437005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		96.9 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: AF		Batch: 2437008
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		62.8 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: WF		Batch: 2437016
Chloride	1250	20.0	1	09/09/24	09/10/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS52 - 0.5' E409059-20

		E409039-20				
Analyte	Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
Tillalyte	Result	Liiiit	Dilution	i i repared	Maryzea	110103
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2437005
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		87.5 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2437005
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		98.3 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: AF		Batch: 2437008
Diesel Range Organics (C10-C28)	ND	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		66.0 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: WF		Batch: 2437016
Chloride	1830	20.0	1	09/09/24	09/10/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS22 - 0' E409059-21

		E409059-21				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: BA		Batch: 2437004
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
p-Xylene	ND	0.0250	1	09/09/24	09/11/24	
o,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: BA		Batch: 2437004
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
urrogate: 1-Chloro-4-fluorobenzene-FID		94.6 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: NV		Batch: 2437007
Diesel Range Organics (C10-C28)	83.7	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	50.2	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		73.3 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: WF		Batch: 2437010
Chloride	287	20.0	1	09/09/24	09/09/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS17 - 0' E409059-22

		E409039-22				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: BA		Batch: 2437004
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		100 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: BA		Batch: 2437004
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.5 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: NV		Batch: 2437007
Diesel Range Organics (C10-C28)	43.8	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		68.6 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: WF		Batch: 2437010
Chloride	51.3	20.0	1	09/09/24	09/10/24	



Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

FS01 - 0.5' E409059-23

		E409059-23				
	D 1	Reporting				N
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2437004
Benzene	ND	0.0250	1	09/09/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/09/24	09/11/24	
Toluene	ND	0.0250	1	09/09/24	09/11/24	
o-Xylene	ND	0.0250	1	09/09/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/09/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/09/24	09/11/24	
Surrogate: 4-Bromochlorobenzene-PID		101 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: BA		Batch: 2437004
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/09/24	09/11/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.7 %	70-130	09/09/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: NV		Batch: 2437007
Diesel Range Organics (C10-C28)	55.4	25.0	1	09/09/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/09/24	09/11/24	
Surrogate: n-Nonane		75.0 %	50-200	09/09/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: WF		Batch: 2437010
Chloride	315	20.0	1	09/09/24	09/10/24	·



		QC bi	W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ary Dat	ш				
Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number: Project Manager:	0	Cobber 21 Fede 11058-0007 Ashley Giovens				9/1	Reported: 3/2024 1:12:46PM
		Volatile O		by EPA 802					Analyst: RKS
		Reporting	Spike	Source		Rec		RPD	
Analyte	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2437004-BLK1)							Prepared: 0	9/09/24 Anal	yzed: 09/11/24
Benzene	ND	0.0250							-
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.03		8.00		100	70-130			
LCS (2437004-BS1)							Prepared: 0	9/09/24 Anal	yzed: 09/11/24
Benzene	5.43	0.0250	5.00		109	70-130			
Ethylbenzene	5.22	0.0250	5.00		104	70-130			
Toluene	5.34	0.0250	5.00		107	70-130			
o-Xylene	5.23	0.0250	5.00		105	70-130			
p,m-Xylene	10.6	0.0500	10.0		106	70-130			
Total Xylenes	15.8	0.0250	15.0		106	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.05		8.00		101	70-130			
Matrix Spike (2437004-MS1)				Source:	E409057-0	06	Prepared: 0	9/09/24 Anal	yzed: 09/11/24
Benzene	5.34	0.0250	5.00	ND	107	54-133			
Ethylbenzene	5.11	0.0250	5.00	ND	102	61-133			
Toluene	5.24	0.0250	5.00	ND	105	61-130			
o-Xylene	5.12	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.32		8.00		104	70-130			
Matrix Spike Dup (2437004-MSD1)				Source:	E409057-0	06	Prepared: 0	9/09/24 Anal	yzed: 09/11/24
Benzene	5.40	0.0250	5.00	ND	108	54-133	1.11	20	
Ethylbenzene	5.17	0.0250	5.00	ND	103	61-133	1.22	20	
Toluene	5.30	0.0250	5.00	ND	106	61-130	1.16	20	
o-Xylene	5.18	0.0250	5.00	ND	104	63-131	1.24	20	
p,m-Xylene	10.5	0.0500	10.0	ND	105	63-131	1.16	20	
o,iii-Ayiciic	10.5	0.0300	10.0	ND	105	03-131	1.10	20	

8.00

8.35

70-130



Surrogate: 4-Bromochlorobenzene-PID

Cobber 21 Federal #001H Devon Energy - Carlsbad Project Name: Reported: 6488 7 Rivers Hwy Project Number: 01058-0007 Artesia NM, 88210 Project Manager: Ashley Giovengo 9/13/2024 1:12:46PM **Volatile Organics by EPA 8021B** Analyst: RKS Reporting Spike Source Rec RPD Analyte Result Limit Level Result Rec Limits RPD Limit mg/kg mg/kg mg/kg mg/kg % % % Notes Prepared: 09/09/24 Analyzed: 09/10/24 Blank (2437005-BLK1) ND 0.0250 ND Ethylbenzene 0.0250 Toluene ND 0.0250 ND o-Xylene 0.0250 ND p,m-Xylene 0.0500 Total Xylenes ND 0.0250 Surrogate: 4-Bromochlorobenzene-PID 7.08 8.00 88.6 70-130 LCS (2437005-BS1) Prepared: 09/09/24 Analyzed: 09/10/24 4.45 89.1 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.26 0.0250 5.00 85.3 70-130 4.38 0.0250 5.00 87.5 70-130 Toluene o-Xylene 4.24 0.0250 5.00 84.8 70-130 10.0 86.8 70-130 8.68 0.0500 p.m-Xvlene 70-130 12.9 15.0 86.1 Total Xylenes 0.0250 8.00 88.0 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.04 Matrix Spike (2437005-MS1) Source: E409059-10 Prepared: 09/09/24 Analyzed: 09/10/24 4.21 0.0250 5.00 ND 84.3 54-133 Benzene 61-133 Ethylbenzene 4.02 0.0250 5.00 ND 80.4 Toluene 4.13 0.0250 5.00 ND 82.5 61-130 3.99 ND 79.9 63-131 5.00 0.0250 o-Xylene p,m-Xylene 8.18 0.0500 10.0 ND 81.8 63-131 0.0250 15.0 ND 63-131 Total Xylenes Surrogate: 4-Bromochlorobenzene-PID 7.10 8.00 70-130 Matrix Spike Dup (2437005-MSD1) Source: E409059-10 Prepared: 09/09/24 Analyzed: 09/10/24 3.89 0.0250 5.00 ND 77.7 54-133 8.08 61-133 7.94 3.71 0.0250 5.00 ND 74.3 20 Ethylbenzene 61-130 Toluene 3.81 0.0250 5.00 ND 76.2 7 91 20 3.68 5.00 ND 73.7 63-131 8.10 20 o-Xylene 0.0250 7.56 10.0 ND 75.6 63-131 7.76 20 p,m-Xylene 0.0500 Total Xylenes 11.2 0.0250 15.0 ND 75.0 63-131 7.87 20

8.00

88.8

70-130



Surrogate: 4-Bromochlorobenzene-PID

7.10

Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			9/1	3/2024 1:12:46PM		
	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		
Blank (2437004-BLK1)							Prepared: 0	9/09/24 Anal	yzed: 09/11/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130					
LCS (2437004-BS2)							Prepared: 0	9/09/24 Anal	yzed: 09/11/24		
Gasoline Range Organics (C6-C10)	42.2	20.0	50.0		84.4	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.68		8.00		96.0	70-130					
Matrix Spike (2437004-MS2)				Source:	E409057-0)6	Prepared: 0	9/09/24 Anal	yzed: 09/11/24		
Gasoline Range Organics (C6-C10)	44.9	20.0	50.0	ND	89.7	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.66		8.00		95.8	70-130					
Matrix Spike Dup (2437004-MSD2)				Source:	E409057-0)6	Prepared: 0	9/09/24 Anal	yzed: 09/11/24		
Gasoline Range Organics (C6-C10)	45.7	20.0	50.0	ND	91.4	70-130	1.84	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.74		8.00		96.7	70-130					

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Cobber 21 Federal #001H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

Artesia NM, 88210		Project Manager		shley Gioveng	go			9/1	3/2024 1:12:46PM		
	Nonhalogenated Organics by EPA 8015D - GRO								Analyst: RKS		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2437005-BLK1)							Prepared: 0	9/09/24 Anal	yzed: 09/10/24		
Gasoline Range Organics (C6-C10)	ND	20.0									
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.90		8.00		98.7	70-130					
LCS (2437005-BS2)							Prepared: 0	9/09/24 Anal	yzed: 09/10/24		
Gasoline Range Organics (C6-C10)	37.0	20.0	50.0		74.0	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.8	70-130					
Matrix Spike (2437005-MS2)				Source:	E409059-	10	Prepared: 0	9/09/24 Anal	yzed: 09/10/24		
Gasoline Range Organics (C6-C10)	42.5	20.0	50.0	ND	85.0	70-130					
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130					
Matrix Spike Dup (2437005-MSD2)				Source:	E409059-	10	Prepared: 0	9/09/24 Anal	yzed: 09/10/24		
Gasoline Range Organics (C6-C10)	38.2	20.0	50.0	ND	76.4	70-130	10.7	20			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130					

Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

Artesia NM, 88210		Project Manage	r: As	shley Gioveng	go			9/	13/2024 1:12:46PN
	Nonha	logenated Or		Analyst: NV					
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2437007-BLK1)							Prepared: 0	9/09/24 Ana	lyzed: 09/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	43.8		50.0		87.7	50-200			
LCS (2437007-BS1)							Prepared: 0	9/09/24 Ana	lyzed: 09/11/24
Diesel Range Organics (C10-C28)	217	25.0	250		86.9	38-132			
Surrogate: n-Nonane	43.5		50.0		87.0	50-200			
Matrix Spike (2437007-MS1)				Source:	E409057-	03	Prepared: 0	9/09/24 Ana	lyzed: 09/11/24
Diesel Range Organics (C10-C28)	335	25.0	250	184	60.5	38-132			
Surrogate: n-Nonane	44.3		50.0		88.6	50-200			
Matrix Spike Dup (2437007-MSD1)				Source:	E409057-	03	Prepared: 0	9/09/24 Ana	lyzed: 09/11/24
Diesel Range Organics (C10-C28)	357	25.0	250	184	69.4	38-132	6.39	20	
Surrogate: n-Nonane	41.6		50.0		83.1	50-200			

Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	Reported:
6488 7 Rivers Hwy	Project Number:	01058-0007	
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

Artesia NM, 88210		Project Manage	r: As	hley Gioveng	go			9	/13/2024 1:12:46PN
	Nonha	logenated Or	Analyst: AF						
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2437008-BLK1)							Prepared: 0	9/09/24 Ana	alyzed: 09/11/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	39.8		50.0		79.6	50-200			
LCS (2437008-BS1)							Prepared: 0	9/09/24 Ana	alyzed: 09/11/24
Diesel Range Organics (C10-C28)	194	25.0	250		77.4	38-132			
urrogate: n-Nonane	39.1		50.0		78.1	50-200			
Matrix Spike (2437008-MS1)				Source:	E409059-	04	Prepared: 0	9/09/24 Ana	alyzed: 09/11/24
Diesel Range Organics (C10-C28)	292	25.0	250	85.6	82.5	38-132			
urrogate: n-Nonane	40.4		50.0		80.9	50-200			
Matrix Spike Dup (2437008-MSD1)				Source:	E409059-	04	Prepared: 0	9/09/24 Ana	alyzed: 09/11/24
Diesel Range Organics (C10-C28)	276	25.0	250	85.6	76.2	38-132	5.52	20	
urrogate: n-Nonane	36.7		50.0		73.4	50-200			



Matrix Spike Dup (2437010-MSD1)

313

20.0

Chloride

QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy	Project Name: Project Number:	Cobber 21 Federal #001H 01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	9/13/2024 1:12:46PM

Artesia IVIVI, 88210		1 Toject Manager	. As	anicy Gloveng	,0				7/13/2024 1:12:401 WI		
Anions by EPA 300.0/9056A											
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2437010-BLK1)							Prepared: 09/09/24 Analyzed: 09/09/24				
Chloride	ND	20.0									
LCS (2437010-BS1)							Prepared: 0	9/09/24	Analyzed: 09/09/24		
Chloride	251	20.0	250		100	90-110					
Matrix Spike (2437010-MS1)				Source:	Source: E409057-03			9/09/24	Analyzed: 09/09/24		
Chloride	313	20.0	250	54.6	103	80-120					

250

Source: E409057-03

103

80-120

0.156

54.6



Prepared: 09/09/24 Analyzed: 09/09/24

20

Chloride

Chloride

Matrix Spike Dup (2437016-MSD1)

M4

M4

Prepared: 09/09/24 Analyzed: 09/09/24

20

QC Summary Data

Devon Energy - Carlsbad 6488 7 Rivers Hwy Artesia NM, 88210		Project Name: Project Number Project Manager	: 0	Cobber 21 Fede 1058-0007 Ashley Gioveng				ç	Reported: 0/13/2024 1:12:46PM
		Anions	by EPA	300.0/9056 <i>E</i>	4				Analyst: WF
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2437016-BLK1)							Prepared: 0	9/09/24 An	alyzed: 09/09/24
Chloride	ND	20.0							
LCS (2437016-BS1)							Prepared: 0	9/09/24 An	alyzed: 09/09/24
Chloride	252	20.0	250		101	90-110			
Matrix Spike (2437016-MS1)				Source:	E409059-	07	Prepared: 0	9/09/24 An	alyzed: 09/09/24

250

250

20.0

20.0

1200

1200

19.6

NR

Source: E409059-07

80-120

80-120

5.40

1250

1180

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

Devon Energy - Carlsbad	Project Name:	Cobber 21 Federal #001H	
6488 7 Rivers Hwy	Project Number:	01058-0007	Reported:
Artesia NM, 88210	Project Manager:	Ashley Giovengo	09/13/24 13:12

M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. The

associated LCS spike recovery was acceptable.

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Page	of

Client Information					Invoice Information			Lab Use Only								TA	T		State			
Client: D	evon				Company: Devon			La	Lab WO# 059 Job							1D	2D	3D St	d	NM CO UT	TX	
Project:	Cobber 21 Fe	deral #0	01H		Ad	dress: 205 E Bender Road #1	50	E	40	5905	59	010	556	. 000	57			х		x		
Project N	Manager: Ash	ley Giove	engo		Cit	y, State, Zip: Hobbs NM, 882	40															
Address:	3122 Nation	al Parks	Hwy		Pho	one: (575)748-1838						Ana	alysis	and	Met	hod				EPA Progra	ım	
City, Stat	e, Zip: Carlsl	oad NM,	88220		Em	nail: dale.woodall@dvn.con	1				1								SD	WA CWA	RCRA	
Phone: 5	575-988-0055	5				ellaneous: Dale Woodall																
Email: a	giovengo@ei	nsolum.co	om						Å.	8015									Com	pliance Y	or N	
									hv 8015	y 80	=	0	0.0	_	×	als			PW	SID#		
				Sample	e Informatio	n			1 0	RO b	/ 802	826	e 300	- NA	05 - T	Met						
Time Sampled	Date Sampled	Matrix	No. of Containers			Sample ID	Field	Lab Numbe	er	GRO/DRO by	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				Remarks		
11:16	9/5/2024	S	1		F	-S46 - 0.5'		1						х								
10:49	9/5/2024	S	1			FS42 - 0'		2						х								
11:20	9/5/2024	S	1		F	FS36 - 0.5'		3						х								
10:07	9/5/2024	S	1			FS35 - 0'		4						х								
10:29	9/5/2024	S	1			FS34 - 0'		5			1			х								
9:57	9/5/2024	S	1	FS30 - 0'		1	6						х									
10:09	9/5/2024	S	1			FS29 - 0'		7						х								
10:27	9/5/2024	S	1			FS28 - 0'		8						х								
10:39	9/5/2024	S	1			FS27 - 0'		9						х								
10:49	9/5/2024	S	1			FS26 - 0'	1	10						х								
Addition	al Instruction	ns: Plea	se CC: cbu	rton@enso	olum.com, a	giovengo@ensolum.com, dal	e.wood	lall@dvi	n.cor	n, iest	trella	@ens	olun	n.com	n, bd	eal@	enso	lum.co	m,			
	n@ensolum											- 1112			Glass.							
l, (field sam	pler), attest to the	validity and	authenticity of	of this sample.	I am aware that t	tampering with or intentionally mislabel	ng the sar	nple locatio	on, dat	e or tim	e of co	lection	is con	idered	fraud	and ma	y be gr	rounds fo	legal ac	tion.		
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						rangements are made. Hazardous sa						posed	of at 1	he clie	ent ex	pense.	The re	eport for	the an	alysis of the above	e samples is	
applicable	only to those sa	imples rece	ived by the la	aboratory wit	h this COC. The	liability of the laboratory is limited	o the am	ount paid	for or	n the re	eport.											



client expense. The report for the analysis of the above samples is

Page	2	of_

Client Information					Invoice Information				L	ab Us	e On	ly				TA	T		State			
Client: D	evon				Con	npany: Devon		Lal	o WO	#		Job N	Num	ber		1D	2D	3D S1	td	NM CO UT	TX	
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	3122 Nation					ne: (575)748-1838						Ana	lysis	and	Met	hod				EPA Progra	m	
	e, Zip: Carlsh					ail: dale.woodall@dvn.com														SDWA CWA	RCRA	
	75-988-0055					ellaneous: Dale Woodall												- 14				
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11:57	9/5/2024	S	1		ı	FS49 - 0'		12						х								
12:01	9/5/2024	S	1			FS48 - 0'		13						х								
12:02	9/5/2024	S	1		7	FS47 - 0'		14						х					Ī			
12:03	9/5/2024	S	1			FS38 - 0'		12						х								
12:05	9/5/2024	S	1	FS37 - 0'			16						х									
14:12	9/5/2024	S	1		F	S50 - 0.5'		17						х								
9:53	9/5/2024	S	1		F.	S53 - 0.5 [']	1	18	1					х								
9:48	9/5/2024	S	1		F	S54 - 0.5'		19						х								
11:21	9/5/2024	S	1		F	S52 - 0.5'		70						х								
Addition	al Instruction	ns: Plea	se CC: cbui	ton@ensol	um.com, ag	iovengo@ensolum.com, dale	.wood	all@dvn	.com	, iesti	ella@	enso	olum	.com	, bd	eal@	enso	lum.cc	om,			
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client expense. The report for the analysis of the above samples is

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Client Information						Invoice Information		Lab Use Only									TA	T	State				
Client: D	evon				Co	mpany: Devon		[Lab \	WO#		-	Job N	Num	ber		1D	2D	3D S	td	NM	CO UT	TX
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Project N	Manager: Ash	nley Giov	engo		Cit	ty, State, Zip: Hobbs NM, 882	40														-		
Address:	3122 Nation	nal Parks	Hwy		Pho	one: (575)748-1838							Ana	lysis	and	Met	hod				EP	A Progra	m
City, Stat	e, Zip: Carlsl	bad NM,	88220		En	nail: dale.woodall@dvn.con	1														SDWA	CWA	RCRA
Phone: 5	575-988-0055	5			Misc	cellaneous: Dale Woodall																	
Email: a	giovengo@ei	nsolum.c	om							115	115										Compliance	Y	or N
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10:11	9/5/2024	S	1			FS22 - 0'		21							х								
10:00	9/5/2024	S	1			FS17 - 0'		22	2						х								
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Note: Sam	ples are discard	ed 14 days	after result	s are reporte	d unless other ar	rangements are made. Hazardous sa														r the	e analysis of	the above	samples is
applicable	only to those sa	amples rece	eived by the	laboratory v	vith this COC. The	liability of the laboratory is limited	o the am	ount pai	id for	r on th	he rep	ort.											

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enviroteclient expense. The report for the analysis of the above samples is

Printed: 9/9/2024 11:44:00AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy - Carlsbad	Date Received:	09/07/24	07:30	Work Order ID:	E409059
Phone:	(505) 382-1211	Date Logged In:	09/07/24 (07:33	Logged In By:	Raina Schwanz
Email:	ashley.giovengo@wescominc.com	Due Date:	09/13/24	17:00 (4 day TAT)		
Chain of	Custody (COC)					
1. Does th	ne sample ID match the COC?		Yes			
2. Does th	ne number of samples per sampling site location ma	tch the COC	Yes			
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: Courier		
4. Was the	e COC complete, i.e., signatures, dates/times, reque	sted analyses?	Yes			
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssi	•	Yes		<u>Comment</u>	s/Resolution
Sample T	Curn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	<u>Cooler</u>					
7. Was a s	sample cooler received?		Yes			
8. If yes,	was cooler received in good condition?		Yes			
9. Was the	e sample(s) received intact, i.e., not broken?		Yes			
10. Were	custody/security seals present?		No			
11. If yes,	, were custody/security seals intact?		NA			
	e sample received on ice? If yes, the recorded temp is 4°C. Note: Thermal preservation is not required, if samples ar minutes of sampling visible ice, record the temperature. Actual sample	re received w/i 15	Yes C			
Sample C	•		_			
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
	head space less than 6-8 mm (pea sized or less)?		NA			
	trip blank (TB) included for VOC analyses?		NA			
	on-VOC samples collected in the correct containers	9	Yes			
	appropriate volume/weight or number of sample contain		Yes			
Field Lat	•	nors conceica.	105			
	field sample labels filled out with the minimum info	ormation:				
	ample ID?	ormation.	Yes			
	ate/Time Collected?		Yes			
C	ollectors name?		Yes			
Sample P	<u>reservation</u>					
21. Does	the COC or field labels indicate the samples were p	reserved?	No			
22. Are sa	ample(s) correctly preserved?		NA			
24. Is lab	filteration required and/or requested for dissolved n	netals?	No			
Multipha	se Sample Matrix					
26. Does	the sample have more than one phase, i.e., multipha	ise?	No			
27. If yes,	, does the COC specify which phase(s) is to be analy	yzed?	NA			
Subcontr	ract Laboratory					
	amples required to get sent to a subcontract laborato	rv?	No			
	subcontract laboratory specified by the client and i	•	NA	Subcontract Lab: NA		
	• •			Succentract Eas. 1411		
Chent II	nstruction					

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





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Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy

Project Name: Cobber 21 Federal #001H

Work Order: E409069

Job Number: 01058-0007

Received: 9/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/16/24

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

Date Reported: 9/16/24

Ashley Giovengo PO Box 6459 Navajo Dam, NM 87419

Project Name: Cobber 21 Federal #001H

Workorder: E409069

Date Received: 9/10/2024 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2024 6:00:00AM, under the Project Name: Cobber 21 Federal #001H.

The analytical test results summarized in this report with the Project Name: Cobber 21 Federal #001H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881 Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com



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Sample Summary

Devon EnergyProject Name:Cobber 21 Federal #001HReported:PO Box 6459Project Number:01058-0007Navajo Dam NM, 87419Project Manager:Ashley Giovengo09/16/24 09:43

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS02-0.5'	E409069-01A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS03-0.5'	E409069-02A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS04-0.5'	E409069-03A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS05-0.5'	E409069-04A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS06-0.5'	E409069-05A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS07-0.5'	E409069-06A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS08-0.5'	E409069-07A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS09-0.5'	E409069-08A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS10-0.5'	E409069-09A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS11-0.5'	E409069-10A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS12-0.5'	E409069-11A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS13-0.5'	E409069-12A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS14-0.5'	E409069-13A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS15-0.5'	E409069-14A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS16-0.5'	E409069-15A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS18-0.5'	E409069-16A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS19-0.5'	E409069-17A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS20-0.5'	E409069-18A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS21-0.5'	E409069-19A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS23-0.5'	E409069-20A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 9:43:58AM

FS02-0.5' E409069-01

		E-407007-01					
Analyte	Result	Reporting Limit		ıtion	Prepared	Analyzed	Notes
Analyce					•	Tinaryzea	
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2437037
Benzene	ND	0.0250		1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250		1	09/10/24	09/11/24	
Toluene	ND	0.0250		1	09/10/24	09/11/24	
o-Xylene	ND	0.0250]	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500		1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250		1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		108 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	:	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		104 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		108 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0		1	09/10/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/10/24	09/11/24	
Surrogate: n-Nonane		74.3 %	50-200		09/10/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	JM		Batch: 2437029
Chloride	323	20.0		1	09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 9:43:58AM

FS03-0.5' E409069-02

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2437037
Benzene	ND	0.0250	1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/11/24	
Toluene	ND	0.0250	1	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		110 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		110 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/11/24	
Surrogate: n-Nonane		76.1 %	50-200	09/10/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: JM		Batch: 2437029
Chloride	330	20.0	1	09/10/24	09/10/24	

Devon Energy Project Name: Cobber 21 Federal #001H

 PO Box 6459
 Project Number:
 01058-0007
 Reported:

 Navajo Dam NM, 87419
 Project Manager:
 Ashley Giovengo
 9/16/2024
 9:43:58AM

FS04-0.5' E409069-03

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437037
Benzene	ND	0.0250	1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/11/24	
Toluene	ND	0.0250	1	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		93.2 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/11/24	
Surrogate: n-Nonane		74.7 %	50-200	09/10/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2437029
Chloride	229	20.0	1	09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 9:43:58AM

FS05-0.5' E409069-04

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: IY		Batch: 2437037
Benzene	ND	0.0250	1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/11/24	
Toluene	ND	0.0250	1	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		111 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		111 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/11/24	
Surrogate: n-Nonane		73.9 %	50-200	09/10/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	Analyst: JM		Batch: 2437029
Chloride	456	20.0	1	09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/20249:43:58AM

FS06-0.5' E409069-05

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437037
Benzene	ND	0.0250	1		09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1		09/10/24	09/11/24	
Toluene	ND	0.0250	1		09/10/24	09/11/24	
o-Xylene	ND	0.0250	1		09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1		09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1		09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		110 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	I	Analyst: l	ΙΥ		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		105 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.1 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		110 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: 1	AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1		09/10/24	09/11/24	
Oil Range Organics (C28-C36)	ND	50.0	1		09/10/24	09/11/24	
Surrogate: n-Nonane		85.4 %	50-200		09/10/24	09/11/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: J	JM		Batch: 2437029
Chloride	446	20.0	1		09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 9:43:58AM

FS07-0.5' E409069-06

		E-107007-00				
Analyte	Result	Reporting Limit	Diluti	on Prepared	Analyzed	Notes
Analyte	Resuit	Limit	Diluti	on Frepared	Ananyzeu	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437037
Benzene	ND	0.0250	1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/11/24	
Toluene	ND	0.0250	1	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		111 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		93.5 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		111 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		78.7 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2437029
	478	•		09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:

Navajo Dam NM, 87419 Project Manager: Ashley Giovengo 9/16/2024 9:43:58AM

FS08-0.5' E409069-07

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2437037
Benzene	ND	0.0250	1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/11/24	
Toluene	ND	0.0250	1	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		80.1 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: JM		Batch: 2437029
Chloride	330	20.0	1	09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/20249:43:58AM

FS09-0.5'

E409069-08 Reporting Analyte Limit Dilution Analyzed Result Prepared Notes Analyst: IY Batch: 2437037 mg/kg mg/kg Volatile Organic Compounds by EPA 8260B 09/10/24 09/11/24 ND 0.0250 Benzene 1 09/10/24 09/11/24 Ethylbenzene ND 0.0250 ND 0.0250 1 09/10/24 09/11/24 Toluene 1 09/10/24 09/11/24 o-Xylene ND 0.0250 09/10/24 09/11/24 ND 0.0500 1 p,m-Xylene 09/10/24 09/11/24 1 Total Xylenes ND 0.0250 09/11/24 09/10/24 Surrogate: Bromofluorobenzene 104 % 70-130 09/10/24 09/11/24 Surrogate: 1,2-Dichloroethane-d4 93.9 % 70-130 Surrogate: Toluene-d8 110 % 70-130 09/10/24 09/11/24 Nonhalogenated Organics by EPA 8015D - GRO mg/kg mg/kg Analyst: IY Batch: 2437037 ND 1 09/10/24 09/11/24 20.0 Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene 104 % 09/10/24 09/11/24 70-130 93.9 % 09/10/24 09/11/24 Surrogate: 1,2-Dichloroethane-d4 70-130 Surrogate: Toluene-d8 09/10/24 09/11/24 110 % 70-130 mg/kg Analyst: AF Batch: 2437042 mg/kg Nonhalogenated Organics by EPA 8015D - DRO/ORO 09/12/24 ND 25.0 1 09/10/24 Diesel Range Organics (C10-C28) ND 50.0 1 09/10/24 09/12/24 Oil Range Organics (C28-C36) 78.8 % 50-200 09/10/24 09/12/24 Surrogate: n-Nonane mg/kg mg/kg Analyst: JM Batch: 2437029 Anions by EPA 300.0/9056A

20.0

1

09/10/24

09/10/24

553

Chloride

Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/20249:43:58AM

FS10-0.5' E409069-09

		Reporting					
Analyte	Result	Limit	Dilut	ion Prep	ared A	nalyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: IY			Batch: 2437037
Benzene	ND	0.0250	1	09/1	0/24 09	9/11/24	
Ethylbenzene	ND	0.0250	1	09/1	0/24 09	9/11/24	
Toluene	ND	0.0250	1	09/1	0/24 09	9/11/24	
o-Xylene	ND	0.0250	1	09/1	0/24 09	9/11/24	
p,m-Xylene	ND	0.0500	1	09/1	0/24 09	9/11/24	
Total Xylenes	ND	0.0250	1	09/1	0/24 09	9/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/1	0/24 09	9/11/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	09/1	0/24 09	9/11/24	
Surrogate: Toluene-d8		111 %	70-130	09/1	0/24 09	9/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY			Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/1	0/24 09	9/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/1	0/24 09	9/11/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	09/1	0/24 09	9/11/24	
Surrogate: Toluene-d8		111 %	70-130	09/1	0/24 09	9/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: AF			Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/1	0/24 09	9/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/1	0/24 09	9/12/24	
Surrogate: n-Nonane		76.7 %	50-200	09/1	0/24 09	9/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: JM			Batch: 2437029
Chloride	148	20.0	1	09/1	0/24 09	9/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 9:43:58AM

FS11-0.5' E409069-10

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY		Batch: 2437037
Benzene	ND	0.0250	1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/11/24	
Toluene	ND	0.0250	1	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.0 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		109 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	37.1	25.0	1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		82.1 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JM		Batch: 2437029
Chloride	1550	20.0	1	09/10/24	09/10/24	

Devon Energy Project Name: Cobber 21 Federal #001H

 PO Box 6459
 Project Number:
 01058-0007
 Reported:

 Navajo Dam NM, 87419
 Project Manager:
 Ashley Giovengo
 9/16/2024
 9:43:58AM

FS12-0.5' E409069-11

	12707007-11					
	Reporting					
Result	Limit	Dilut	tion Prep	ared	Analyzed	Notes
mg/kg	mg/kg	P	Analyst: IY			Batch: 2437037
ND	0.0250	1	09/1	0/24	09/11/24	
ND	0.0250	1	09/1	0/24	09/11/24	
ND	0.0250	1	09/1	0/24	09/11/24	
ND	0.0250	1	09/1	0/24	09/11/24	
ND	0.0500	1	09/1	0/24	09/11/24	
ND	0.0250	1	09/1	0/24	09/11/24	
	101 %	70-130	09/1	0/24	09/11/24	
	93.2 %	70-130	09/1	0/24	09/11/24	
	109 %	70-130	09/1	0/24	09/11/24	
mg/kg	mg/kg	A	Analyst: IY			Batch: 2437037
ND	20.0	1	09/1	0/24	09/11/24	
	101 %	70-130	09/1	0/24	09/11/24	
	93.2 %	70-130	09/1	0/24	09/11/24	
	109 %	70-130	09/1	0/24	09/11/24	
mg/kg	mg/kg	A	Analyst: AF			Batch: 2437042
267	25.0	1	09/1	0/24	09/12/24	
121	50.0	1	09/1	0/24	09/12/24	
	67.8 %	50-200	09/1	0/24	09/12/24	
mg/kg	mg/kg	A	Analyst: JM			Batch: 2437029
	ND	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 IOI % 93.2 % 109 % mg/kg ND 20.0 IOI % 93.2 % 109 % 109 % mg/kg mg/kg mg/kg 50.0	Reporting Result Limit Dilute mg/kg mg/kg mg/kg ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 101 % 70-130 93.2 % 70-130 109 % 70-130 93.2 % 70-130 109 % 70-130 mg/kg mg/kg mg/kg mg/kg 109 % 70-130 mg/kg 50.0 121 50.0	Reporting Result Limit Dilution Preporting mg/kg mg/kg Analyst: IY ND 0.0250 1 09/1 ND 0.0250 1 09/1 ND 0.0250 1 09/1 ND 0.0500 1 09/1 ND 0.0250 1 09/1 ND 0.0250 1 09/1 93.2 % 70-130 09/1 93.2 % 70-130 09/1 109 % 70-130 09/1 93.2 % 70-130 09/1 93.2 % 70-130 09/1 109 % 70-130 09/1 109 % 70-130 09/1 109 % 70-130 09/1 109 % 70-130 09/1 109 % 70-130 09/1 109 % 70-130 09/1 109 % 70-130 09/1 109 % 70-130 09/1	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/10/24 ND 0.0250 1 09/10/24 ND 0.0250 1 09/10/24 ND 0.0500 1 09/10/24 ND 0.0250 1 09/10/24 ND 70-130 09/10/24 93.2 % 70-130 09/10/24 109 % 70-130 09/10/24 mg/kg mg/kg Analyst: IY ND 20.0 1 09/10/24 101 % 70-130 09/10/24 93.2 % 70-130 09/10/24 109 % 70-130 09/10/24 109 % 70-130 09/10/24 109 % 70-130 09/10/24 109 % 70-130 09/10/24 109 % 70-130 09/10/24 109 % 70-130 09/10/24 10	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/10/24 09/11/24 ND 0.0250 1 09/10/24 09/11/24 ND 0.0250 1 09/10/24 09/11/24 ND 0.0500 1 09/10/24 09/11/24 ND 0.0250 1 09/10/24 09/11/24 ND 0.0250 1 09/10/24 09/11/24 ND 0.0250 1 09/10/24 09/11/24 93.2 % 70-130 09/10/24 09/11/24 109 % 70-130 09/10/24 09/11/24 mg/kg mg/kg Analyst: IY ND 20.0 1 09/10/24 09/11/24 101 % 70-130 09/10/24 09/11/24 93.2 % 70-130 09/10/24 09/11/24 109 % 70-130 09/10/24 09/11/24



Devon Energy Project Name: Cobber 21 Federal #001H

PO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/20249:43:58AM

FS13-0.5' E409069-12

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437037
Benzene	ND	0.0250	1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/11/24	
Toluene	ND	0.0250	1	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		108 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		108 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		66.0 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: JM		Batch: 2437029
Chloride	325	20.0	1	09/10/24	09/10/24	

Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/20249:43:58AM

FS14-0.5' E409069-13

		E407007-13					
		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2437037
Benzene	ND	0.0250	1		09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1		09/10/24	09/11/24	
Toluene	ND	0.0250	1		09/10/24	09/11/24	
o-Xylene	ND	0.0250	1		09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1		09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1		09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		111 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	1	Analyst: Γ	Y		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		103 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.4 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		111 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	1	Analyst: A	F		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1		09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1		09/10/24	09/12/24	
Surrogate: n-Nonane		72.6 %	50-200		09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	1	Analyst: J	M		Batch: 2437029
Chloride	248	20.0	1		09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 9:43:58AM

FS15-0.5' E409069-14

		E407007-14					
Aughto	Result	Reporting Limit	Dilut	tion	Duomonod	Amalyzzad	Notes
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY	,		Batch: 2437037
Benzene	ND	0.0250	1		09/10/24	09/12/24	
Ethylbenzene	ND	0.0250	1		09/10/24	09/12/24	
Toluene	ND	0.0250	1		09/10/24	09/12/24	
o-Xylene	ND	0.0250	1		09/10/24	09/12/24	
p,m-Xylene	ND	0.0500	1		09/10/24	09/12/24	
Total Xylenes	ND	0.0250	1		09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		104 %	70-130		09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		09/10/24	09/12/24	
Surrogate: Toluene-d8		110 %	70-130		09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	GRO mg/kg		Analyst: IY			Batch: 2437037	
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		104 %	70-130		09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		93.6 %	70-130		09/10/24	09/12/24	
Surrogate: Toluene-d8		110 %	70-130		09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: Al	F		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1		09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1		09/10/24	09/12/24	
Surrogate: n-Nonane		73.6 %	50-200		09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: JN	1		Batch: 2437029
Chloride	342	20.0	1		09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 9:43:58AM

FS16-0.5' E409069-15

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: IY	Batch: 2437037	
Benzene	ND	0.0250	1	09/10/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/12/24	
Toluene	ND	0.0250	1	09/10/24	09/12/24	
o-Xylene	ND	0.0250	1	09/10/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	09/10/24	09/12/24	
Surrogate: Toluene-d8		111 %	70-130	09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.7 %	70-130	09/10/24	09/12/24	
Surrogate: Toluene-d8		111 %	70-130	09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	66.1	25.0	1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		76.2 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	А	Analyst: JM		Batch: 2437029
Chloride	278	20.0	1	09/10/24	09/10/24	

Devon Energy Project Name: Cobber 21 Federal #001H

 PO Box 6459
 Project Number:
 01058-0007
 Reported:

 Navajo Dam NM, 87419
 Project Manager:
 Ashley Giovengo
 9/16/2024
 9:43:58AM

FS18-0.5' E409069-16

		Reporting				
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2437037
Benzene	ND	0.0250	1	09/10/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/12/24	
Toluene	ND	0.0250	1	09/10/24	09/12/24	
o-Xylene	ND	0.0250	1	09/10/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/10/24	09/12/24	
Surrogate: Toluene-d8		110 %	70-130	09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		102 %	70-130	09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		97.4 %	70-130	09/10/24	09/12/24	
Surrogate: Toluene-d8		110 %	70-130	09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		70.1 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: JM		Batch: 2437029
Chloride	196	20.0	1	09/10/24	09/10/24	

Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 9:43:58AM

FS19-0.5'

E409069-17

		Reporting					
Analyte	Result	Limit	Di	lution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst	: IY		Batch: 2437037
Benzene	ND	0.0250		1	09/10/24	09/12/24	
Ethylbenzene	ND	0.0250		1	09/10/24	09/12/24	
Toluene	ND	0.0250		1	09/10/24	09/12/24	
o-Xylene	ND	0.0250		1	09/10/24	09/12/24	
p,m-Xylene	ND	0.0500		1	09/10/24	09/12/24	
Total Xylenes	ND	0.0250		1	09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		105 %	70-130		09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		09/10/24	09/12/24	
Surrogate: Toluene-d8		109 %	70-130		09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst	: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		105 %	70-130		09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130		09/10/24	09/12/24	
Surrogate: Toluene-d8		109 %	70-130		09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst	: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	34.8	25.0		1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/10/24	09/12/24	
Surrogate: n-Nonane		74.4 %	50-200		09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst	: JM		Batch: 2437029
Chloride	1060	20.0		1	09/10/24	09/10/24	•



Devon Energy Project Name: Cobber 21 Federal #001H

 PO Box 6459
 Project Number:
 01058-0007
 Reported:

 Navajo Dam NM, 87419
 Project Manager:
 Ashley Giovengo
 9/16/2024
 9:43:58AM

FS20-0.5' E409069-18

		110700710				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY	Batch: 2437037	
Benzene	ND	0.0250	1	09/10/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/12/24	
Toluene	ND	0.0250	1	09/10/24	09/12/24	
o-Xylene	ND	0.0250	1	09/10/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	09/10/24	09/12/24	
Surrogate: Toluene-d8		109 %	70-130	09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	А	Analyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		104 %	70-130	09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	09/10/24	09/12/24	
Surrogate: Toluene-d8		109 %	70-130	09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/24	09/12/24	_
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		70.3 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: JM		Batch: 2437029
Chloride	1190	20.0	1	09/10/24	09/10/24	

Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 9:43:58AM

FS21-0.5' E409069-19

		E407007-17				
Analyte	Result	Reporting Limit	Diluti	ion Prepared	Analyzed	Notes
Analyte	Result	Limit	Diluii	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	analyst: IY		Batch: 2437037
Benzene	ND	0.0250	1	09/10/24	09/12/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/12/24	
Toluene	ND	0.0250	1	09/10/24	09/12/24	
o-Xylene	ND	0.0250	1	09/10/24	09/12/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/12/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	09/10/24	09/12/24	
Surrogate: Toluene-d8		109 %	70-130	09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	analyst: IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		101 %	70-130	09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.6 %	70-130	09/10/24	09/12/24	
Surrogate: Toluene-d8		109 %	70-130	09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	analyst: AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		74.2 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	analyst: JM		Batch: 2437029
Chloride	366	20.0	1	09/10/24	09/10/24	

Devon Energy Project Name: Cobber 21 Federal #001H

PO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/20249:43:58AM

FS23-0.5' E409069-20

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2437037
Benzene	ND	0.0250	1		09/10/24	09/12/24	
Ethylbenzene	ND	0.0250	1		09/10/24	09/12/24	
Toluene	ND	0.0250	1		09/10/24	09/12/24	
o-Xylene	ND	0.0250	1		09/10/24	09/12/24	
p,m-Xylene	ND	0.0500	1		09/10/24	09/12/24	
Total Xylenes	ND	0.0250	1		09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		09/10/24	09/12/24	
Surrogate: Toluene-d8		107 %	70-130		09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2437037
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/10/24	09/12/24	
Surrogate: Bromofluorobenzene		102 %	70-130		09/10/24	09/12/24	
Surrogate: 1,2-Dichloroethane-d4		95.5 %	70-130		09/10/24	09/12/24	
Surrogate: Toluene-d8		107 %	70-130		09/10/24	09/12/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	AF		Batch: 2437042
Diesel Range Organics (C10-C28)	ND	25.0	1		09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1		09/10/24	09/12/24	
Surrogate: n-Nonane		68.7 %	50-200		09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	_	Analyst:	JM		Batch: 2437029
Chloride	22.7	20.0	1		09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HReported:PO Box 6459Project Number:01058-0007Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 9:43:58AM

Navajo Dam NM, 87419		Project Manager	: As	shley Gioveng	go			9/16	5/2024 9:43:58AN	
	V	olatile Organi	c Compo	unds by El	PA 82601	В			Analyst: IY	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2437037-BLK1)							Prepared: 09/10/24 Analyzed: 09/11/24			
Benzene	ND	0.0250								
Ethylbenzene	ND	0.0250								
Toluene	ND	0.0250								
o-Xylene	ND	0.0250								
o,m-Xylene	ND	0.0500								
Total Xylenes	ND	0.0250								
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130				
Surrogate: Toluene-d8	0.544		0.500		109	70-130				
LCS (2437037-BS1)							Prepared: 09	9/10/24 Analy	zed: 09/11/24	
Benzene	2.33	0.0250	2.50		93.4	70-130	-			
Ethylbenzene	2.45	0.0250	2.50		97.9	70-130				
Toluene	2.47	0.0250	2.50		98.7	70-130				
o-Xylene	2.42	0.0250	2.50		96.7	70-130				
p,m-Xylene	4.89	0.0500	5.00		97.8	70-130				
Total Xylenes	7.31	0.0250	7.50		97.4	70-130				
Surrogate: Bromofluorobenzene	0.523		0.500		105	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.8	70-130				
Surrogate: Toluene-d8	0.538		0.500		108	70-130				
Matrix Spike (2437037-MS1)				Source:	E409069-	05	Prepared: 09/10/24 Analyzed: 09/11/2			
Benzene	2.45	0.0250	2.50	ND	98.1	48-131	1			
Ethylbenzene	2.54	0.0250	2.50	ND	102	45-135				
Toluene	2.57	0.0250	2.50	ND	103	48-130				
o-Xylene	2.50	0.0250	2.50	ND	100	43-135				
p,m-Xylene	5.00	0.0500	5.00	ND	100	43-135				
Total Xylenes	7.51	0.0250	7.50	ND	100	43-135				
Surrogate: Bromofluorobenzene	0.520		0.500		104	70-130				
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130				
Surrogate: Toluene-d8	0.534		0.500		107	70-130				
Matrix Spike Dup (2437037-MSD1)				Source:	E409069-	05	Prepared: 09	9/10/24 Analy	zed: 09/11/24	
Benzene	2.14	0.0250	2.50	ND	85.4	48-131	13.8	23		
Ethylbenzene	2.25	0.0250	2.50	ND	90.2	45-135	12.0	27		
Toluene	2.28	0.0250	2.50	ND	91.0	48-130	12.0	24		
o-Xylene	2.24	0.0250	2.50	ND	89.7	43-135	11.0	27		
p,m-Xylene	4.53	0.0500	5.00	ND	90.6	43-135	9.90	27		
Total Xylenes	6.77	0.0250	7.50	ND	90.3	43-135	10.3	27		
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130				

0.500

0.500

93.0

108

70-130

70-130

0.465

0.542

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

Devon EnergyProject Name:Cobber 21 Federal #001HReported:PO Box 6459Project Number:01058-0007Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/20249:43:58AM

Nonhalogenated	Organics 1	by EPA 8015	SD - GRO
Tionnaiogenateu	O Zames	U y ELLIA UUL.	D - GIGO

Anal	

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

	Result	Limit	LCVCI	Result	Rec	Limits	ICI D	Lillin	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2437037-BLK1)							Prepared: 0	9/10/24	Analyzed: 09/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.519		0.500		104	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.3	70-130			
Surrogate: Toluene-d8	0.544		0.500		109	70-130			
LCS (2437037-BS2)							Prepared: 0	9/10/24	Analyzed: 09/11/24
Gasoline Range Organics (C6-C10)	55.8	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.525		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.550		0.500		110	70-130			
Matrix Spike (2437037-MS2)				Source:	E409069-	05	Prepared: 0	9/10/24	Analyzed: 09/11/24
Gasoline Range Organics (C6-C10)	54.9	20.0	50.0	ND	110	70-130			
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.541		0.500		108	70-130			
Matrix Spike Dup (2437037-MSD2)				Source:	E409069-	05	Prepared: 0	9/10/24	Analyzed: 09/11/24
Gasoline Range Organics (C6-C10)	56.5	20.0	50.0	ND	113	70-130	2.90	20	
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	0.532 0.476		0.500 0.500		106 95.1	70-130 70-130			



Devon EnergyProject Name:Cobber 21 Federal #001HReported:PO Box 6459Project Number:01058-0007Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/20249:43:58AM

Navajo Dam NM, 8/419		Project Manage	r: As	sniey Gioveng	30			,	9/10/2024 9:43:38AF		
	Nonha	Nonhalogenated Organics by EPA 8015D - DRO/ORO							Analyst: AF		
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit			
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes		
Blank (2437042-BLK1)							Prepared: 0	9/10/24 An	alyzed: 09/11/24		
Diesel Range Organics (C10-C28)	ND	25.0									
Dil Range Organics (C28-C36)	ND	50.0									
Surrogate: n-Nonane	41.8		50.0		83.6	50-200					
LCS (2437042-BS1)							Prepared: 0	9/10/24 An	alyzed: 09/11/24		
Diesel Range Organics (C10-C28)	249	25.0	250		99.5	38-132					
urrogate: n-Nonane	43.8		50.0		87.7	50-200					
Matrix Spike (2437042-MS1)				Source:	Source: E409069-03			Prepared: 09/10/24 Analyzed: 09/11/24			
Diesel Range Organics (C10-C28)	273	25.0	250	ND	109	38-132					
Surrogate: n-Nonane	41.3		50.0		82.6	50-200					
Matrix Spike Dup (2437042-MSD1)				Source: E409069-03		Prepared: 09/10/24 Analyzed: 09/11/2		alyzed: 09/11/24			
Diesel Range Organics (C10-C28)	274	25.0	250	ND	109	38-132	0.259	20			
Surrogate: n-Nonane	44.1		50.0		88.1	50-200					

Devon Energy		Project Name:		Cobber 21 Fede	ral #001H				Reported:	
PO Box 6459 Navajo Dam NM, 87419		Project Number: Project Manager:		01058-0007 Ashley Giovengo					9/16/2024 9:43:58AM	
		Anions	by EPA	300.0/9056	\				Analyst: JM	
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit		
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes	
Blank (2437029-BLK1)							Prepared: 0	9/10/24 A	.nalyzed: 09/10/24	
Chloride	ND	20.0								
LCS (2437029-BS1)							Prepared: 0	9/10/24 A	nalyzed: 09/10/24	
Chloride	252	20.0	250		101	90-110				
Matrix Spike (2437029-MS1)				Source: E409069-09			Prepared: 09/10/24 Analyzed: 09/10/24			
Chloride	405	20.0	250	148	103	80-120				
Matrix Spike Dup (2437029-MSD1)		Source: E409069-09				9	Prepared: 09/10/24 Analyzed: 09/10/24			
Chloride	398	20.0	250	148	100	80-120	1.86	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

Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo09/16/24 09:43

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Email: agiovengo@ensolum.com

chamilton@ensolum.com, bsimmons@ensolum.com

ody	Mo	#	211	49	134

Lab

Lab l	Jse Only		TA	AT				State	
wo# 09069	Job Number	1D	2D	3D	Std	NM X	СО	UT	TX
	Analysis and Met	hod				EF	A Pr	ogra	m

SDWA

CWA

RCRA

Sample Information Sample Date Sampled Matrix No. of Containers Sample Date Sampled Sample	/SID #
1121 9/6/2024 Soil 1 FSOZ - 0.5' 1119 9/6/2024 Soil 1 FSO3 - 0.5' 2 X 1117 9/6/2024 Soil 1 FSO4 - 0.5' 1110 9/6/2024 Soil 1 FSO5 - 0.5' 1110 9/6/2024 Soil 1 FSO5 - 0.5'	Remarks
1119 916/2024 Soil 1 F503 - 0.5' 1117 916/2024 Soil 1 F504 - 0.5' 1110 916/2024 Soil 1 F505 - 0.5' 1110 916/2024 Soil 1 F505 - 0.5'	
(116 9/6/2024 SO:1 1 F505 -0.5'	
(116 9/6/2024 Soil 1 FSO5 - 0.5' 4 X	
1117 9/6/1024 Soil 1 FSO(0 - 05'	
CLID TOTAL OF THE PROPERTY OF	
1106 9/6/2024 Soil 1 FSO7 -0.5'	
1106 9/6/2024 Soil 1 F504 - 0.5'	
1104 9/4/2024 Soil 1 \$50 F509 - 0.5'	
1100 9/4/2024 Soil 1 FS10-0,5' 9 X	
Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.com, iestrella@ensolum.com, bdeal@ensolum.com,	

Brandpa Sampled by: _Cole Burton_ Samples requiring thermal preservation must be received on ice the day they are Relinquished by: (Signature) ignelle Gonzalec sampled or received packed in ice at an avg temp above 0 but less than 6 °C on 015 Lab Use Only Y/N Received on ice: Relinquished by: (Signature) Received by: (Signature) Relinquished by: (Signature) Received by: (Signature) Date Time

AVG Temp °C Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

, (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.

Note: Samples are discarded 14 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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eived by OCD: 10/2/2024 1:02:23 PM

33 ō 3 Page Invoice Information

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@ensolum.com, dale.woodall@dvn.com, iestrella@ensolum.com, bdeal@ensolum.com,

Address: 205 E Bender Road #150

City, State, Zip: Hobbs NM, 88240

Email: dale.woodall@dvn.com

Company: Devon

Phone: (575)748-1838

Sample ID

Sample Information

FS12 - 0.5'

F513 - 0.5'

F514 - 0.5'

FS15.0.5'

FS14-0.5

FS 16 -0,5'

FS 14 - 0.5'

FS 20 - 0.5'

FS 21 -0,5'

F523 - 0.5'

Miscellaneous: Dale Woodall

BTEX by 8021 VOC by 8260

Lab WO# E409069

Number Lab

4

16

9

Lab Use Only

Job Number

Chloride 300.0

01058-0007

Analysis and Method

BGDOC - NM

TAT

1D 2D 3D Std

RCRA 8 Metals

SDWA

Compliance PWSID#

Remarks

Client: Devon

Time

Sampled

1057

1056

1054

1052

1051

1047

1040

041

Phone: 575-988-0055

Client Information

Matrix

50:1

No. of

Containers

Project: Cohher 21 Federal #001 H

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

Email: agiovengo@ensolum.com

Date Sampled

9/4/2024 50:1

9/4/2024 Soil

9/6/2024 | 50:1

9/4/2024 50:

9/4/2024 Soil

9/4/2024

9/6/2024

9/6/2024

9/6/2024

City, State, Zip: Carlsbad NM, 88220

• •
ō
32
Page

chamilton@ensolum.com, bsimm			at tampering with or intentionally mislabeling	the sample location,	date or time of collection	n is considered fraud and may be grounds for legal action.
Sampled by: _Cole Burton Brandon	Deal					
Relinquished by: (Signature)	9/9/2024	Time 1015	Received by: (Signature)	9-9-24	Time	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.
Relinquished by (Signature)	9-9-24	Time (30	Received by (Signature)	Q. 9.24	164S	Lab Use Only Received on ice: (Y) / N
Relinquished by: (Signature)	Q. 9.24	7400	Received by: (Signature)	9.10.24	0600	<u>T1 </u>
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A	- Aqueous, O - Othe	r		Container Typ	e: g - glass, p - poly/p	plastic, ag - amber glass, v - VOA
Note: Samples are discarded 14 days after applicable only to those samples received	and the second s					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. Th	ne liability of the laboratory is limited to t	he amount paid fo	or on the report.	



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envirotech Inc.

Printed: 9/10/2024 9:53:56AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

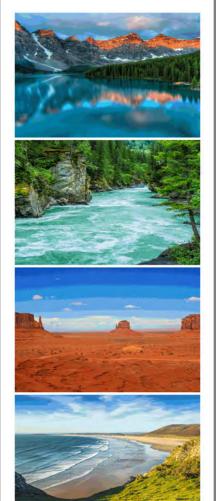
If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client: Devon Energy	Date Received:	09/10/24 06:0	00	Work Order ID:	E409069
Phone: (505)324-5600	Date Logged In:	09/10/24 05:5	52	Logged In By:	Keyliegh Hall
Email:	Due Date:	09/16/24 17:0	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 loc	ation match the COC	Yes			
3. Were samples dropped off by client or carrier?		Yes	Carrier: C	Courrier Courrier	
4. Was the COC complete, i.e., signatures, dates/time	es, requested analyses?	Yes			
5. Were all samples received within holding time? Note: Analysis, such as pH which should be co i.e, 15 minute hold time, are not included in thi		Yes		<u>Commen</u>	ts/Resolution
Sample Turn Around Time (TAT)	ТАТО	Yes		Project Cobber 21 Fede	eral #001H has been
6. Did the COC indicate standard TAT, or Expedited	IAI!	ies		separated into 2 work o	
Sample Cooler 7. Was a sample cooler received?		Yes		-	Ideis. L409009 &
8. If yes, was cooler received in good condition?		Yes		E409070.	
9. Was the sample(s) received intact, i.e., not broken	9				
	·	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 ter Note: Thermal preservation is not required, if s minutes of sampling 13. If no visible ice, record the temperature. Actual 	amples are received w/i 15	Yes			
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 co		No			
19. Is the appropriate volume/weight or number of samp		Yes			
Field Label					
20. Were field sample labels filled out with the mining	mum information:				
Sample ID?		Yes			
Date/Time Collected?		Yes			
Collectors name?		Yes			
Sample Preservation 21. Does the COC or field labels indicate the sample	a vyona mnagamya d0	NI-			
•	s were preserved?	No			
22. Are sample(s) correctly preserved?24. Is lab filteration required and/or requested for dis	ecolved metals?	NA No			
	ssorved metals:	INU			
Multiphase Sample Matrix	141				
26. Does the sample have more than one phase, i.e.,	=	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	•	No			
29. Was a subcontract laboratory specified by the cli	ent and if so who?	NA Su	abcontract Lab	: N/A	
Client Instruction					
					(A)

Date

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

Report to:
Ashley Giovengo



5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Devon Energy

Project Name: Cobber 21 Federal #001H

Work Order: E409070

Job Number: 01058-0007

Received: 9/10/2024

Revision: 1

Report Reviewed By:

Walter Hinchman Laboratory Director 9/16/24

Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.

Statement of Data Authenticity: Envirotech Inc, attests the data reported has not been altered in any way.

Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.

Envirotech Inc, holds the Utah TNI certification NM00979 for data reported.

Envirotech Inc, holds the Texas TNI certification T104704557 for data reported.

Date Reported: 9/16/24

Ashley Giovengo PO Box 6459 Navajo Dam, NM 87419

Project Name: Cobber 21 Federal #001H

Workorder: E409070

Date Received: 9/10/2024 6:00:00AM

Ashley Giovengo,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/10/2024 6:00:00AM, under the Project Name: Cobber 21 Federal #001H.

The analytical test results summarized in this report with the Project Name: Cobber 21 Federal #001H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

Walter Hinchman

Laboratory Director Office: 505-632-1881

Cell: 775-287-1762

whinchman@envirotech-inc.com

Raina Schwanz

Laboratory Administrator Office: 505-632-1881

rainaschwanz@envirotech-inc.com

Field Offices:

Southern New Mexico Area

Lynn Jarboe

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

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Michelle Gonzales

Client Representative

Office: 505-421-LABS(5227)

Cell: 505-947-8222

mgonzales@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Devon Energy	Project Name:	Cobber 21 Federal #001H	Donoutoda
PO Box 6459	Project Number:	01058-0007	Reported:
Navajo Dam NM, 87419	Project Manager:	Ashley Giovengo	09/16/24 10:28

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
FS24-0.5'	E409070-01A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS25-0.5'	E409070-02A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS26-0.5'	E409070-03A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS27-0.5'	E409070-04A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS31-0.5'	E409070-05A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS32-0.5'	E409070-06A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS33-0.5'	E409070-07A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS39-0.5'	E409070-08A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS40-0.5'	E409070-09A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS41-0.5'	E409070-10A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS43-0.5'	E409070-11A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS44-0.5'	E409070-12A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS45-0.5'	E409070-13A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.
FS51-0.5'	E409070-14A	Soil	09/06/24	09/10/24	Glass Jar, 2 oz.



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS24-0.5' E409070-01

		Reporting					
Analyte	Result	Limit	Dilu	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg mg/kg		Analyst:	IY		Batch: 2437038
Benzene	ND	0.0250	1	l	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	l	09/10/24	09/11/24	
Toluene	ND	0.0250	1	l	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	l	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		94.3 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		101 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0	1	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		94.3 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		101 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2437041
Diesel Range Organics (C10-C28)	ND	25.0	1		09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	1	09/10/24	09/12/24	
Surrogate: n-Nonane		71.2 %	50-200		09/10/24	09/12/24	
1 - I - EDA 200 0/005/1	/1			Analyst:	IV		Batch: 2437028
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Anaryst.	11		Batch. 2437020



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS25-0.5' E409070-02

Result	Limit	Dilut	ion Prepared	Analyzed	Notes
mg/kg	mg/kg	А	Analyst: IY		Batch: 2437038
ND	0.0250	1	09/10/24	09/11/24	
ND	0.0250	1	09/10/24	09/11/24	
ND	0.0250	1	09/10/24	09/11/24	
ND	0.0250	1	09/10/24	09/11/24	
ND	0.0500	1	09/10/24	09/11/24	
ND	0.0250	1	09/10/24	09/11/24	
	91.8 %	70-130	09/10/24	09/11/24	
	95.6 %	70-130	09/10/24	09/11/24	
	101 %	70-130	09/10/24	09/11/24	
mg/kg	mg/kg	А	Analyst: IY		Batch: 2437038
ND	20.0	1	09/10/24	09/11/24	
	91.8 %	70-130	09/10/24	09/11/24	
	95.6 %	70-130	09/10/24	09/11/24	
	101 %	70-130	09/10/24	09/11/24	
mg/kg	mg/kg	Α	Analyst: NV		Batch: 2437041
ND	25.0	1	09/10/24	09/12/24	_
ND	50.0	1	09/10/24	09/12/24	
	69.5 %	50-200	09/10/24	09/12/24	
mg/kg	mg/kg	Α	Analyst: IY		Batch: 2437028
	ND	mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 ND 0.0250 P1.8 % 95.6 % 101 % mg/kg mg/kg ND 20.0 91.8 % 95.6 % 101 % mg/kg mg/kg ND 25.0 ND 25.0 ND 50.0	Result Limit Dilut mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 91.8 % 70-130 95.6 % 70-130 101 % 70-130 mg/kg mg/kg ND 20.0 1 95.6 % 70-130 101 % 70-130 mg/kg mg/kg A ND 25.0 1 ND 50.0 1 69.5 % 50-200 1	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IV ND 0.0250 1 09/10/24 91.8 % 70-130 09/10/24 95.6 % 70-130 09/10/24 mg/kg mg/kg Analyst: IV ND 20.0 1 09/10/24 91.8 % 70-130 09/10/24 95.6 % 70-130 09/10/24 101 % 70-130 09/10/24 mg/kg mg/kg Analyst: NV ND 25.0 1 09/10/24 ND 25.0 1 09/10/24 ND 50.0 1 09/10/24 ND 50.0 1 09/10/24 <	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IV ND 0.0250 1 09/10/24 09/11/24 ND 0.0500 1 09/10/24 09/11/24 ND 0.0250 1 09/10/24 09/11/24 ND 0.0250 1 09/10/24 09/11/24 91.8 % 70-130 09/10/24 09/11/24 95.6 % 70-130 09/10/24 09/11/24 mg/kg mg/kg Analyst: IV ND 20.0 1 09/10/24 09/11/24 95.6 % 70-130 09/10/24 09/11/24 95.6 % 70-130 09/10/24 09/11/24 101 % 70-130 09/10/24 09/11/24 mg/kg mg/k



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS26-0.5' E409070-03

Result	Reporting Limit		tion	Prepared	Analyzed	Notes
		A		•		Batch: 2437038
	<u> </u>	1		09/10/24	09/11/24	
ND	0.0250	1		09/10/24	09/11/24	
ND	0.0250	1		09/10/24	09/11/24	
ND	0.0250	1		09/10/24	09/11/24	
ND	0.0500	1		09/10/24	09/11/24	
ND	0.0250	1		09/10/24	09/11/24	
	93.5 %	70-130		09/10/24	09/11/24	
	94.4 %	70-130		09/10/24	09/11/24	
	100 %	70-130		09/10/24	09/11/24	
mg/kg	mg/kg	A	Analyst: IY			Batch: 2437038
ND	20.0	1		09/10/24	09/11/24	
	93.5 %	70-130		09/10/24	09/11/24	
	94.4 %	70-130		09/10/24	09/11/24	
	100 %	70-130		09/10/24	09/11/24	
mg/kg	mg/kg	Α	Analyst: NV			Batch: 2437041
ND	25.0	1		09/10/24	09/12/24	-
ND	50.0	1		09/10/24	09/12/24	
	65.6 %	50-200		09/10/24	09/12/24	
mg/kg	mg/kg	Α	Analyst: IY			Batch: 2437028
139	20.0	1		09/10/24	09/10/24	
	mg/kg ND Mg/kg ND Mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 ND 0.0250 MD 0.0250 MD 93.5 % 94.4 % 100 % mg/kg mg/kg ND 20.0 mg/kg mg/kg ND 25.0 ND 50.0 65.6 % mg/kg mg/kg mg/kg	mg/kg mg/kg A ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 93.5 % 70-130 94.4 % 70-130 100 % 70-130 93.5 % 70-130 94.4 % 70-130 94.4 % 70-130 100 % 70-130 mg/kg mg/kg ND 25.0 ND 50.0 1 65.6 % 50-200	Result Limit Dilution mg/kg mg/kg Analyst: IY ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 ND 0.0250 1 93.5 % 70-130 70-130 mg/kg mg/kg Analyst: IY ND 20.0 1 93.5 % 70-130 70-130 94.4 % 70-130 70-130 mg/kg mg/kg Analyst: NV ND 25.0 1 ND 50.0 1 65.6 % 50-200 mg/kg Analyst: IY	Result Limit Dilution Prepared mg/kg mg/kg Analyst: IY ND 0.0250 1 09/10/24 ND 0.0250 1 09/10/24 ND 0.0250 1 09/10/24 ND 0.0250 1 09/10/24 ND 0.0500 1 09/10/24 ND 0.0250 1 09/10/24 ND 0.0250 1 09/10/24 93.5 % 70-130 09/10/24 94.4 % 70-130 09/10/24 mg/kg mg/kg Analyst: IY ND 20.0 1 09/10/24 100 % 70-130 09/10/24 94.4 % 70-130 09/10/24 100 % 70-130 09/10/24 mg/kg mg/kg Analyst: NV ND 25.0 1 09/10/24 ND 50.0 1 09/10/24 Mg/kg Mg/kg Analyst: IY	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: IY ND 0.0250 1 09/10/24 09/11/24 ND 0.0500 1 09/10/24 09/11/24 ND 0.0250 1 09/10/24 09/11/24 ND 0.0250 1 09/10/24 09/11/24 93.5 % 70-130 09/10/24 09/11/24 94.4 % 70-130 09/10/24 09/11/24 mg/kg mg/kg Analyst: IY ND 20.0 1 09/10/24 09/11/24 94.4 % 70-130 09/10/24 09/11/24 94.4 % 70-130 09/10/24 09/11/24 100 % 70-130 09/10/24 09/11/24 mg/kg mg/k



 Devon Energy
 Project Name:
 Cobber 21 Federal #001H

 PO Box 6459
 Project Number:
 01058-0007
 Reported:

 Navajo Dam NM, 87419
 Project Manager:
 Ashley Giovengo
 9/16/2024 10:28:57AM

FS27-0.5' E409070-04

		Reporting				
Analyte	Result	Limit	Diluti	on Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437038
Benzene	ND	0.0250	1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/11/24	
Toluene	ND	0.0250	1	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		93.6 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		99.8 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		93.6 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		99.8 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2437041
Diesel Range Organics (C10-C28)	ND	25.0	1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		74.7 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437028
Chloride	370	20.0	1	09/10/24	09/10/24	

Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS31-0.5' E409070-05

		Reporting					
Analyte	Result	Limit	Dilu	ıtion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst: IY			Batch: 2437038
Benzene	ND	0.0250	:	1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250		1	09/10/24	09/11/24	
Toluene	ND	0.0250		1	09/10/24	09/11/24	
o-Xylene	ND	0.0250		1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500		1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	Ī	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		92.0 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		101 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		92.0 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		101 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2437041
Diesel Range Organics (C10-C28)	ND	25.0		1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/10/24	09/12/24	
Surrogate: n-Nonane		66.8 %	50-200		09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2437028
Chloride	376	20.0		1	09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS32-0.5' E409070-06

		Reporting					
Analyte	Result	Limit	Dilut	tion I	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437038
Benzene	ND	0.0250	1	(09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	(09/10/24	09/11/24	
Toluene	ND	0.0250	1	(09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	(09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	(09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	(09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		93.5 %	70-130	(09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130	(09/10/24	09/11/24	
Surrogate: Toluene-d8		100 %	70-130	(09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0	1	(09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		93.5 %	70-130	(09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		90.7 %	70-130	(09/10/24	09/11/24	
Surrogate: Toluene-d8		100 %	70-130	(09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV			Batch: 2437041
Diesel Range Organics (C10-C28)	ND	25.0	1	(09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	(09/10/24	09/12/24	
Surrogate: n-Nonane		67.5 %	50-200	(09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437028
Chloride	305	20.0	1	(09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS33-0.5' E409070-07

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437038
Benzene	ND	0.0250	1		09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1		09/10/24	09/11/24	
Toluene	ND	0.0250	1		09/10/24	09/11/24	
o-Xylene	ND	0.0250	1		09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1		09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1		09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		89.9 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		90.8 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		102 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY				Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		89.9 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		90.8 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		102 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: N	V		Batch: 2437041
Diesel Range Organics (C10-C28)	ND	25.0	1		09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1		09/10/24	09/12/24	
Surrogate: n-Nonane		67.7 %	50-200		09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY	7		Batch: 2437028
Chloride	537	20.0	1		09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS39-0.5' E409070-08

		Reporting				
Analyte	Result	Limit	Dilut	ion Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY	Batch: 2437038	
Benzene	ND	0.0250	1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09/10/24	09/11/24	
Toluene	ND	0.0250	1	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		95.4 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		101 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		95.4 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		101 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: NV		Batch: 2437041
Diesel Range Organics (C10-C28)	63.3	25.0	1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		64.0 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: IY		Batch: 2437028
Chloride	1130	20.0	1	09/10/24	09/10/24	

Devon Energy Project Name: Cobber 21 Federal #001H

PO Roy 6459 Project Number: 01058 0007

PO Box 6459 Project Number: 01058-0007 Reported:
Navajo Dam NM, 87419 Project Manager: Ashley Giovengo 9/16/2024 10:28:57AM

FS40-0.5' E409070-09

		Reporting					
Analyte	Result	Limit	Diluti	ion I	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437038
Benzene	ND	0.0250	1	(9/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	(09/10/24	09/11/24	
Toluene	ND	0.0250	1	(09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	(09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	(09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	(09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		93.1 %	70-130	C	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130	C	09/10/24	09/11/24	
Surrogate: Toluene-d8		103 %	70-130	C	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0	1	(09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		93.1 %	70-130	C	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130	C	09/10/24	09/11/24	
Surrogate: Toluene-d8		103 %	70-130	C	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV			Batch: 2437041
Diesel Range Organics (C10-C28)	ND	25.0	1	(09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	(09/10/24	09/12/24	
Surrogate: n-Nonane		69.9 %	50-200		09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437028
Chloride	319	20.0	1		09/10/24	09/10/24	

Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS41-0.5' E409070-10

		Reporting					
Analyte	Result	Limit	Diluti	ion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	А	Analyst: IY			Batch: 2437038
Benzene	ND	0.0250	1		09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	(09/10/24	09/11/24	
Toluene	ND	0.0250	1		09/10/24	09/11/24	
o-Xylene	ND	0.0250	1		09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1		09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		90.3 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		100 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		90.3 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		100 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	Analyst: NV			Batch: 2437041
Diesel Range Organics (C10-C28)	30.1	25.0	1		09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	ı	09/10/24	09/12/24	
Surrogate: n-Nonane		70.5 %	50-200		09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437028
	404	20.0	1		09/10/24	09/10/24	

Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS43-0.5' E409070-11

		E107070 11				
Analyte	Result	Reporting Limit	Dilutio	on Prepared	Analyzed	Notes
· ·				nalyst: IY	1 mary zea	Batch: 2437038
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		09/10/24	09/11/24	Batch: 243/038
Benzene	ND	0.0250	1			
Ethylbenzene	ND	0.0250	I	09/10/24	09/11/24	
Toluene	ND	0.0250	1	09/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		90.3 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		100 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		90.3 %	70-130	09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		95.0 %	70-130	09/10/24	09/11/24	
Surrogate: Toluene-d8		100 %	70-130	09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	A	nalyst: NV		Batch: 2437041
Diesel Range Organics (C10-C28)	151	25.0	1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/10/24	09/12/24	
Surrogate: n-Nonane		70.9 %	50-200	09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	A	nalyst: IY		Batch: 2437028
Chloride	527	20.0	1	09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS44-0.5' E409070-12

		Reporting					
Analyte	Result	Limit	Dilı	ution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg		Analyst:	IY		Batch: 2437038
Benzene	ND	0.0250		1	09/10/24	09/11/24	
Ethylbenzene	ND	0.0250		1	09/10/24	09/11/24	
Toluene	ND	0.0250		1	09/10/24	09/11/24	
o-Xylene	ND	0.0250		1	09/10/24	09/11/24	
p,m-Xylene	ND	0.0500		1	09/10/24	09/11/24	
Total Xylenes	ND	0.0250		1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		92.6 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		102 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg		Analyst:	IY		Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0		1	09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		92.6 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		93.0 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		102 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg		Analyst:	NV		Batch: 2437041
Diesel Range Organics (C10-C28)	30.4	25.0		1	09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0		1	09/10/24	09/12/24	
Surrogate: n-Nonane		69.2 %	50-200		09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst:	IY		Batch: 2437028
Chloride	616	20.0		1	09/10/24	09/10/24	



 Devon Energy
 Project Name:
 Cobber 21 Federal #001H

 PO Box 6459
 Project Number:
 01058-0007
 Reported:

 Navajo Dam NM, 87419
 Project Manager:
 Ashley Giovengo
 9/16/2024 10:28:57AM

FS45-0.5' E409070-13

		Reporting					
Analyte	Result	Limit	Dilut	tion	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Α	Analyst: IX	Y		Batch: 2437038
Benzene	ND	0.0250	1		09/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1		09/10/24	09/11/24	
Toluene	ND	0.0250	1		09/10/24	09/11/24	
o-Xylene	ND	0.0250	1		09/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1		09/10/24	09/11/24	
Total Xylenes	ND	0.0250	1		09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		90.8 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		100 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Α	Analyst: IY			Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0	1		09/10/24	09/11/24	
Surrogate: Bromofluorobenzene		90.8 %	70-130		09/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		93.1 %	70-130		09/10/24	09/11/24	
Surrogate: Toluene-d8		100 %	70-130		09/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Α	Analyst: N	V		Batch: 2437041
Diesel Range Organics (C10-C28)	ND	25.0	1		09/10/24	09/12/24	
Oil Range Organics (C28-C36)	ND	50.0	1		09/10/24	09/12/24	
Surrogate: n-Nonane		70.2 %	50-200		09/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Α	Analyst: IY	<i>Y</i>		Batch: 2437028
Chloride	655	20.0	1		09/10/24	09/10/24	



Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

FS51-0.5' E409070-14

		210707011					
Analyte	Result	Reporting Limit	Dilut	tion Pr	epared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	I	Analyst: IY			Batch: 2437038
Benzene	ND	0.0250	1	09	9/10/24	09/11/24	
Ethylbenzene	ND	0.0250	1	09	9/10/24	09/11/24	
Toluene	ND	0.0250	1	09	9/10/24	09/11/24	
o-Xylene	ND	0.0250	1	09	9/10/24	09/11/24	
p,m-Xylene	ND	0.0500	1	09	9/10/24	09/11/24	
Total Xylenes	ND	0.0250	1	09	9/10/24	09/11/24	
Surrogate: Bromofluorobenzene		92.7 %	70-130	09	0/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130	09	0/10/24	09/11/24	
Surrogate: Toluene-d8		99.0 %	70-130	09	0/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	A	Analyst: IY			Batch: 2437038
Gasoline Range Organics (C6-C10)	ND	20.0	1	09	0/10/24	09/11/24	
Surrogate: Bromofluorobenzene		92.7 %	70-130	09	0/10/24	09/11/24	
Surrogate: 1,2-Dichloroethane-d4		90.5 %	70-130	09	0/10/24	09/11/24	
Surrogate: Toluene-d8		99.0 %	70-130	09	0/10/24	09/11/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	I	Analyst: NV			Batch: 2437041
Diesel Range Organics (C10-C28)	237	25.0	1	09	0/10/24	09/12/24	
Oil Range Organics (C28-C36)	82.8	50.0	1	09	9/10/24	09/12/24	
Surrogate: n-Nonane		69.5 %	50-200	09	0/10/24	09/12/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg		Analyst: IY			Batch: 2437028
Chloride	1600	20.0	1	09	9/10/24	09/10/24	

QC Summary Data

Devon EnergyProject Name:Cobber 21 Federal #001HReported:PO Box 6459Project Number:01058-0007Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

Navajo Dam NM, 87419		Project Manage	r: As	shley Gioveng	go			9/16	5/2024 10:28:57AM
	Ve	olatile Organ	ic Compo	unds by El	PA 82601	3			Analyst: IY
Analyte		Reporting	Spike	Source		Rec		RPD	
•	Result	Limit	Level	Result	Rec	Limits	RPD	Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2437038-BLK1)							Prepared: 0	9/10/24 Analy	yzed: 09/11/24
Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
o,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			
LCS (2437038-BS1)							Prepared: 0	9/10/24 Analy	yzed: 09/11/24
Benzene	2.21	0.0250	2.50		88.3	70-130			
Ethylbenzene	2.26	0.0250	2.50		90.3	70-130			
Foluene	2.39	0.0250	2.50		95.6	70-130			
o-Xylene	2.44	0.0250	2.50		97.7	70-130			
o,m-Xylene	4.91	0.0500	5.00		98.2	70-130			
Total Xylenes	7.35	0.0250	7.50		98.0	70-130			
Surrogate: Bromofluorobenzene	0.476		0.500		95.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			
Matrix Spike (2437038-MS1)				Source:	E409070-	08	Prepared: 0	9/10/24 Analy	yzed: 09/11/24
Benzene	2.21	0.0250	2.50	ND	88.5	48-131			
Ethylbenzene	2.24	0.0250	2.50	ND	89.7	45-135			
Toluene	2.41	0.0250	2.50	ND	96.2	48-130			
p-Xylene	2.47	0.0250	2.50	ND	98.8	43-135			
o,m-Xylene	4.94	0.0500	5.00	ND	98.8	43-135			
Total Xylenes	7.41	0.0250	7.50	ND	98.8	43-135			
Surrogate: Bromofluorobenzene	0.473		0.500		94.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			
Matrix Spike Dup (2437038-MSD1)				Source:	E409070-	08	Prepared: 0	9/10/24 Analy	yzed: 09/11/24
Benzene	2.28	0.0250	2.50	ND	91.2	48-131	3.00	23	
Ethylbenzene	2.30	0.0250	2.50	ND	92.1	45-135	2.62	27	
Toluene	2.46	0.0250	2.50	ND	98.4	48-130	2.26	24	
o-Xylene	2.47	0.0250	2.50	ND	98.7	43-135	0.101	27	
o,m-Xylene	5.00	0.0500	5.00	ND	100	43-135	1.30	27	
Total Xylenes	7.47	0.0250	7.50	ND	99.6	43-135	0.833	27	
Surrogate: Bromofluorobenzene	0.478		0.500		95.6	70-130			

0.500

0.500

94.9

102

70-130

70-130

0.475

0.508

Surrogate: 1,2-Dichloroethane-d4

Surrogate: Toluene-d8

QC Summary Data

Devon EnergyProject Name:Cobber 21 Federal #001HReported:PO Box 6459Project Number:01058-0007Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

Nonhalogena	ted Organics	by EPA	. 8015D -	- GRO

Analyst: IY

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

1									
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2437038-BLK1)							Prepared: 09	9/10/24 Ana	alyzed: 09/11/24
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.472		0.500		94.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.471		0.500		94.2	70-130			
Surrogate: Toluene-d8	0.504		0.500		101	70-130			
LCS (2437038-BS2)							Prepared: 09	9/10/24 Ana	alyzed: 09/11/24
Gasoline Range Organics (C6-C10)	53.9	20.0	50.0		108	70-130			
Surrogate: Bromofluorobenzene	0.483		0.500		96.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.458		0.500		91.5	70-130			
					102				
Surrogate: Toluene-d8	0.516		0.500		103	70-130			
Surrogate: Toluene-d8 Matrix Spike (2437038-MS2)	0.516		0.500	Source:	E409070-0		Prepared: 09	9/10/24 Ana	alyzed: 09/11/24
	52.6	20.0	50.0	Source:			Prepared: 09	9/10/24 Ana	alyzed: 09/11/24
Matrix Spike (2437038-MS2)		20.0			E409070-0	08	Prepared: 09	9/10/24 Ana	alyzed: 09/11/24
Matrix Spike (2437038-MS2) Gasoline Range Organics (C6-C10)	52.6	20.0	50.0		E409070- 0	70-130	Prepared: 09	9/10/24 Ana	alyzed: 09/11/24
Matrix Spike (2437038-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene	52.6 0.483	20.0	50.0		E409070-0	70-130 70-130	Prepared: 09	9/10/24 Ana	alyzed: 09/11/24
Matrix Spike (2437038-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4	52.6 0.483 0.473	20.0	50.0 0.500 0.500	ND	E409070-0 105 96.6 94.5	70-130 70-130 70-130 70-130			
Matrix Spike (2437038-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8	52.6 0.483 0.473	20.0	50.0 0.500 0.500	ND	105 96.6 94.5 103	70-130 70-130 70-130 70-130			
Matrix Spike (2437038-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2437038-MSD2)	52.6 0.483 0.473 0.517		50.0 0.500 0.500 0.500	ND Source:	E409070-0 105 96.6 94.5 103 E409070-0	70-130 70-130 70-130 70-130 70-130	Prepared: 09	9/10/24 Ana	
Matrix Spike (2437038-MS2) Gasoline Range Organics (C6-C10) Surrogate: Bromofluorobenzene Surrogate: 1,2-Dichloroethane-d4 Surrogate: Toluene-d8 Matrix Spike Dup (2437038-MSD2) Gasoline Range Organics (C6-C10)	52.6 0.483 0.473 0.517		50.0 0.500 0.500 0.500	ND Source:	E409070-0 105 96.6 94.5 103 E409070-0 106	70-130 70-130 70-130 70-130 08	Prepared: 09	9/10/24 Ana	alyzed: 09/11/24 alyzed: 09/11/24



QC Summary Data

Devon EnergyProject Name:Cobber 21 Federal #001HReported:PO Box 6459Project Number:01058-0007Navajo Dam NM, 87419Project Manager:Ashley Giovengo9/16/2024 10:28:57AM

Navajo Dam NM, 8/419		Project Manage	r: As	niey Gioveng	go			9/	10/2024 10:28:5/A
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	ORO/			Analyst: NV
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2437041-BLK1)							Prepared: 0	9/10/24 Ana	alyzed: 09/12/24
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	43.2		50.0		86.3	50-200			
LCS (2437041-BS1)							Prepared: 0	9/10/24 Ana	alyzed: 09/12/24
Diesel Range Organics (C10-C28)	184	25.0	250		73.5	38-132			
urrogate: n-Nonane	39.9		50.0		79.8	50-200			
Matrix Spike (2437041-MS1)				Source:	E409067-	02	Prepared: 0	9/10/24 Ana	alyzed: 09/12/24
Diesel Range Organics (C10-C28)	184	25.0	250	ND	73.6	38-132			
urrogate: n-Nonane	39.7		50.0		79.5	50-200			
Matrix Spike Dup (2437041-MSD1)				Source:	E409067-	02	Prepared: 0	9/10/24 Ana	alyzed: 09/12/24
Diesel Range Organics (C10-C28)	181	25.0	250	ND	72.5	38-132	1.41	20	
'urrogate: n-Nonane	39.6		50.0		79.1	50-200			



Chloride

Chloride

Matrix Spike Dup (2437028-MSD1)

QC Summary Data

Devon Energy PO Box 6459 Navajo Dam NM, 87419		Project Name: Project Number: Project Manager	. (Cobber 21 Fede 1058-0007 Ashley Gioveng				9	Reported: /16/2024 10:28:57AM
		Anions	by EPA	300.0/9056	A				Analyst: IY
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
Blank (2437028-BLK1)							Prepared: 0	9/10/24 An	alyzed: 09/10/24
Chloride	ND	20.0							
LCS (2437028-BS1)							Prepared: 0	9/10/24 An	alyzed: 09/10/24
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2437028-MS1)				Source:	E409070-	02	Prepared: 0	9/10/24 An	alyzed: 09/10/24

250

250

20.0

20.0

229

229

100

99.5

Source: E409070-02

80-120

80-120

0.247

Prepared: 09/10/24 Analyzed: 09/10/24

20

479

478

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

Devon EnergyProject Name:Cobber 21 Federal #001HPO Box 6459Project Number:01058-0007Reported:Navajo Dam NM, 87419Project Manager:Ashley Giovengo09/16/24 10:28

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

DNR Did not react with the addition of acid or base.

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

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



Client: Devon

Time

Sampled

1241

1035

1037

1034

1032

Phone: 575-988-0055

Client Information

Matrix

No. of

Containers

Project: Cobber 21 Federal # 00 H

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

Email: agiovengo@ensolum.com

Date Sampled

9/4/2024

9/4/2024/50:1

City, State, Zip: Carlsbad NM, 88220

WO# 21149134 **Chain of Custody**

Lab WO#

Lab

Number

E409070

GRO/DRO by 8015

Invoice Information

Address: 205 E Bender Road #150

City, State, Zip: Hobbs NM, 88240

Email: dale.woodall@dvn.com

Company: Devon

Phone: (575)748-1838

Sample ID

Sample Information

F524 - 0.5'

FS25 - 0.5'

F526-0,5'

F527 -0.5'

Miscellaneous: Dale Woodall

Lab Use Only

Job Number

01058-000

Analysis and Method

BGDOC - NM

1D 2D

RCRA 8 Metals

			State		
BD Std	NM	СО	UT	TX	
X	X				
	F	PA Pr	ogra	m	
	SDWA	CV	VA	RC	RA
	Complian	ce	Υ	or	N
	PWSID#	-	-	-	-
		Rem	Page UT Ogra VA Y		
					-
-				_	
+			_	_	
-			-	-	-

1030 9/6/2024 50:1	1 15	32.0.5		6		X	
1029 9/6/2024 50:1	1 F5	33-0.9	5			χ	
1022 9/6/2024 5011	I FS	39 -015	,	8		χ	
1020 9/4/2024 50:1	I FSI	40 -0.51		9		χ	
1027 9/6/2024 50:1	1 F5	41-0.5	ſ	10		\(\forall \)	
Additional Instructions: Please C	C: cburton@ens	solum.com, a	giovengo@ensolum.com, dale.v	voodall@dvn.d	com, iestrella@ens	solum.com, bdeal@ensolum.com,	
chamilton@ensolum.com. bsimm I, (field sampler), attest to the validity and auth			tampering with or intentionally mislabeling t	he sample location,	date or time of collection	is considered fraud and may be grounds for lega	ıl action.
Sampled by: _Cole Burton	n Deal						
Relinquished by: (Signature)	9/9/2024	1015	Received by: (Signature)	9-9-24	1015	Samples requiring thermal preservation must sampled or received packed in ice at an avg te	The state of the s
Relinquished by (Signature)	9-9:24	1630	Received by: (Signature)	P. 9.24	1645	Received on ice: Lab Use	Only
Relinguished by: (Signature)	9. 4.24	2400	Received by: (Signature)	9.10.24	OLe OO	<u>T1 </u>	T3
Relinquished by: (Signature)	Date	Time	Received by (Signature)	Date	Time	AVG Temp °C	
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A						lastic, ag - amber glass, v - VOA	
Note: Samples are discarded 14 days after applicable only to those samples received						of at the client expense. The report for the	analysis of the above samples





Client: Devon

1017

Phone: 575-988-0055

Invoice Information				La	b Us	e On	ly				TA	T			Stat	e	
Company: Devon		Lab	WO#	†		Job	Num	ber		1D	2D	3D St	d h	M	0 U1	TX	
Address: 205 E Bender Road #150		_ E	409	070	0	Olo	58	001	57			X		X			
City, State, Zip: Hobbs NM, 88240		_															
Phone: (575)748-1838		_				Ana	lysis	and	Met	hod					Progr	_	
Email: dale.woodall@dvn.com													SDW	Α	CWA	RC	CRA
Miscellaneous: Dale Woodall															1 200		
			015	015									Compl		Y	or	1
			by 8	by 8	121	09	0.00	Σ	¥	etals		Y 1	PWSII)#			
ation	LJ		ORO	ORO	oy 80	y 82	de 3	C - N	900	8 M							
Sample ID	Field	Lab Numbe	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Chloride 300.0	BGDOC - NM	TCEQ 1005 - TX	RCRA 8 Metals				-	Remark	5	
0.5'		11						X									
.51		12						X									
5'		13						X									
5'		-						10									
5		14						X					-			-	
																-	
n, agiovengo@ensolum.com, dale.v	voodal	l@dvn	.com,	iestr	ella@	ens	olum	.com	ı, bd	eal@	enso	lum.co	m,				
that tampering with or intentionally mislabeling t	he sampl	e location	, date c	r time	of coll	ection	is cons	idered	fraud	and m	ay be g	rounds fo	r legal actio	n.			
Rederived by: (Stenature) orgales	Date 9-6	1.24	Time	015									must be rece				,
Received by: (Signature)	Date	1001	Time		,			empead	went d	31/5		1 - 1-	Use Only				_

Additional Instructions: Please CC: cburton@ensolum.com, agiovengo@

Sample Information

chamilton@ensolum.com, bsimmons@ensolum.com

Client Information

Matrix

Containers

Project: Cobber 21 Federal # 001H

Project Manager: Ashley Giovengo

Address: 3122 National Parks Hwy

Email: agiovengo@ensolum.com

Date Sampled

City, State, Zip: Carlsbad NM, 88220

I. (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with

9/9/2024	1015	Received by (Signature)	9-9-24	LO15	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.
G-9-24	Time 30	Received by: (Signature)	9.9.24	16us	Lab Use Only Received on ice:
Q.Q.W	7.400	Received by: (Signature)	9-10-24	Time DGOD	<u>T1 T2 T3 </u>
Date	Time	Received by: (Signature)	Date	Time	AVG Temp °C 4
	Date 9-24 Q.Q.W	Date G. J.Y Time G. 3.O Date Time Time Time Time	Date Grant Time Received by: (Signature) Date Time Received by: (Signature) Received by: (Signature) Received by: (Signature)	Date G-J-Y Time Received by: (Signature) Date G-Q-J-Y Time Received by: (Signature) Date G-Q-J-Y Time Received by: (Signature) Date G-Q-J-Y Time Received by: (Signature) Date G-D-Z-Y Date Date Date	Date G-J-Y Time Received by: (Signature) Date G-J-Y Time Received by: (Signature) Date G-J-Y Time Received by: (Signature) Date Time Received by: (Signature) Date Time Received by: (Signature) Date Time Received by: (Signature)

Note: Samples are discarded 14 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

Received by OCD: 10/2/2024 1:02:23 PM

envirotech Inc.

Printed: 9/10/2024 9:57:37AM

Envirotech Analytical Laboratory

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Devon Energy	Date Received:	09/10/24 06	5:00		Work Order ID:	E409070
Phone:	(505)324-5600	Date Logged In:	09/10/24 06	5:07		Logged In By:	Keyliegh Hall
Email:		Due Date:	09/16/24 1	7:00 (4 day TAT)			
1. Does th	Custody (COC) ne sample ID match the COC?		Yes				
2. Does th	ne number of samples per sampling site location mat	ch the COC	Yes				
3. Were sa	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	Courrier .		
4. Was the	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes				
	Il samples received within holding time? Note: Analysis, such as pH which should be conducted ir i.e, 15 minute hold time, are not included in this disucssion.		Yes	ſ		Commen	ts/Resolution
	COCC I I TATE TO THE TOTAL TO THE TOTAL TO		37		Project Co	obber 21 Fede	eral #001H has been
	COC indicate standard TAT, or Expedited TAT?		Yes		_		
Sample C							rders. E409069 &
	sample cooler received?		Yes		E409070.		
•	was cooler received in good condition?		Yes				
	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes,	were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample		Yes <u>C</u>				
Sample C	Container						
	queous VOC samples present?		No				
15. Are V	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
17. Was a	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers?	,	No				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·						
20. Were	— field sample labels filled out with the minimum info	rmation:					
	ample ID?		Yes				
	ate/Time Collected?		Yes	·			
C	ollectors name?		Yes				
	<u>reservation</u>						
	the COC or field labels indicate the samples were pr	eserved?	No				
	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	ietals?	No				
	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
Subcontr	act Laboratory						
	amples required to get sent to a subcontract laborator	rv?	No				
	subcontract laboratory specified by the client and if	•	NA	Subcontract Lab): N/A		
	• • •						
CHEILI	<u>istruction</u>						

Date

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



APPENDIX E

Email Correspondence

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

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

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

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

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

QUESTIONS

Action 379955

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	379955
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM1929152027
Incident Name	NRM1929152027 COBBER 21 FEDERAL #1H @ 30-025-42311
Incident Type	Release Other
Incident Status	Initial C-141 Approved
Incident Well	[30-025-42311] COBBER 21 FEDERAL #001H

Location of Release Source	
Site Name	COBBER 21 FEDERAL #1H
Date Release Discovered	10/15/2019
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	10,952
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/04/2024
Time sampling will commence	09:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Chad Hamilton Staff Geologist 940-923-0072 Ensolum, LLC
Please provide any information necessary for navigation to sampling site	32.02181,-103.46841)

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

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

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

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

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

CONDITIONS

Action 379955

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	379955
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created		Condition
Ву		Date
wdale	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/3/2024

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

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

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

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

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

QUESTIONS

Action 380353

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	380353
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)
•	

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM1929152027
Incident Name	NRM1929152027 COBBER 21 FEDERAL #1H @ 30-025-42311
Incident Type	Release Other
Incident Status	Initial C-141 Approved
Incident Well	[30-025-42311] COBBER 21 FEDERAL #001H

Location of Release Source	
Site Name	COBBER 21 FEDERAL #1H
Date Release Discovered	10/15/2019
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	10,952
What is the estimated number of samples that will be gathered	55
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/04/2024
Time sampling will commence	09:00 AM

Warning: Notification can not be less than two business days prior to conducting final sampling.

Please provide any information necessary for observers to contact samplers	Chad Hamilton Staff Geologist 940-923-0072 Ensolum, LLC sampling from 9/4-10/2024
Please provide any information necessary for navigation to sampling site	32.02181,-103.46841

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

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

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

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

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

CONDITIONS

Action 380353

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	380353
	Action Type:
	[NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created	Condition	Condition
Ву		Date
wdale	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/4/2024

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

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

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

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

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

QUESTIONS

Action 389309

QUESTIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	389309
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM1929152027
Incident Name	NRM1929152027 COBBER 21 FEDERAL #1H @ 30-025-42311
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-42311] COBBER 21 FEDERAL #001H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	COBBER 21 FEDERAL #1H
Date Release Discovered	10/15/2019
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Other Well Crude Oil Released: 10 BBL Recovered: 10 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Other Well Produced Water Released: 50 BBL Recovered: 40 BBL Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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

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

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

1220 S. St Francis Dr., Santa Fe, NM 87505

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

QUESTIONS, Page 2

Action 389309

Phone: (505) 476-3470 Fax: (505) 476-3462		
QUESTIONS (continued)		
Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137 Action Number: 389309 Action Type:	
QUESTIONS	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	
Nature and Volume of Release (continued)		
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.	
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes	
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.	
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.	
Initial Response The responsible party must undertake the following actions immediately unless they could create a s	safety hazard that would result in injury	
The source of the release has been stopped	True	
The impacted area has been secured to protect human health and the environment	True	
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True	
All free liquids and recoverable materials have been removed and managed appropriately	True	
If all the actions described above have not been undertaken, explain why	Not answered.	
	idition immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.	
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or	
	Name: Dale Woodall	

Title: EHS Professional

Date: 10/02/2024

Email: Dale.Woodall@dvn.com

I hereby agree and sign off to the above statement

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

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

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

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

QUESTIONS, Page 3

Action 389309

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	389309
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:
A continuously flowing watercourse or any other significant watercourse	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provid	ded to the appropriate district office no later than 90 days after the release discovery date.	
Requesting a remediation plan approval with this submission	Yes	
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contami	ination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride (EPA 300.0 or SM4500 CI B)	7380	
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	319.8	
GRO+DRO (EPA SW-846 Method 8015M)	267	
BTEX (EPA SW-846 Method 8021B or 8260B)	0	
Benzene (EPA SW-846 Method 8021B or 8260B)	0	
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes com which includes the anticipated timelines for beginning and completing the remediation.	appleted efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC,	
On what estimated date will the remediation commence	09/04/2024	
On what date will (or did) the final sampling or liner inspection occur	09/06/2024	
On what date will (or was) the remediation complete(d)	09/06/2024	
What is the estimated surface area (in square feet) that will be reclaimed	10949	
What is the estimated volume (in cubic yards) that will be reclaimed	340	
What is the estimated surface area (in square feet) that will be remediated	10949	
What is the estimated volume (in cubic yards) that will be remediated	340	
These estimated dates and measurements are recognized to be the best guess or calculation	n at the time of submission and may (be) change(d) over time as more remediation efforts are completed.	
The OCD recognizes that proposed remediation measures may have to be minimally adjuste	ed in accordance with the physical realities encountered during remediation. If the responsible party has any need to	

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 389309

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	389309
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	OWL LANDFILL JAL [fJEG1635837366]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dvn.com

Date: 10/02/2024

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

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QUESTIONS, Page 5

Action 389309

QUESTIONS (continued)

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	389309
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

District I

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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

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QUESTIONS, Page 6

Action 389309

QUESTIONS (continued)

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

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	379955
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/04/2024
What was the (estimated) number of samples that were to be gathered	55
What was the sampling surface area in square feet	10952

Remediation Closure Request		
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.		
Requesting a remediation closure approval with this submission	Yes	
Have the lateral and vertical extents of contamination been fully delineated	Yes	
Was this release entirely contained within a lined containment area	No	
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes	
What was the total surface area (in square feet) remediated	10949	
What was the total volume (cubic yards) remediated	340	
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes	
What was the total surface area (in square feet) reclaimed	10949	
What was the total volume (in cubic yards) reclaimed	340	
Summarize any additional remediation activities not included by answers (above)	see report	

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

I 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.

Name: Dale Woodall
Title: EHS Professional
Email: Dale.Woodall@dvn.com
Date: 10/02/2024

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QUESTIONS, Page 7

Action 389309

QUESTIONS (continued)

Operator:	OGRID:
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	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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CONDITIONS

Action 389309

CONDITIONS

Operator:	OGRID:
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333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	389309
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NRM1929152027 COBBER 21 FEDERAL #1H, thank you. This Remediation Closure Report is approved.	10/28/2024