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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2111347695
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company		OGF	OGRID 6137				
Contact Name Dale Woodall		Cont	Contact Telephone 575-748-1838				
Contact email Dale.Woodall@dvn.com		Incid	lent # (assigned by O	CD)			
Contact mail	ing address	6488 Seven Rive	ers Hwy Artesia, l	NM 882	10		
<u> </u>				4.5			
			Location	n of R	Kelease S	Source	
Latitude 32.0	33372					-103.475663	
			(NAD 83 in 6	decimal de	egrees to 5 dec	imal places)	
Site Name C	obber 21 C	ГВ 2			Site Type		
Date Release	Discovered	3/24/2021			API# (if ap	oplicable)	
	I a .:		T 5	1			
Unit Letter C	Section 21	Township 26S	Range 34E	LEA	Соц	inty	
<u> </u>	21	203	34E	LEF	1		
Surface Owne	r: State	∑ Federal	ribal Private	(Name:)
	_			Ì			
			Nature an	id Vo	lume of	Release	
				ch calcula	tions or specif		olumes provided below)
Crude Oi		Volume Releas	ed (bbls)			Volume Recov	ered (bbls)
Produced	Water	Volume Releas	ed (bbls) 58.2 bb	ls		Volume Recovered (bbls) 35 bbls	
Is the concentration of dissolved chloride in produced water >10,000 mg/l?		e in the	☐ Yes ☐ No				
Condensa				Volume Recovered (bbls)			
Natural C	Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units))	Volume/Weight Recovered (provide units)				
			ptured poly line	from the	water trans	sfer pump. Line wa	as immediately isolated and all fluid
was containe	d on locatio	n.					

Received by OCD: 5/2/2022 2:29:52 PM Form C-141 State of New Mexico Page 2 Oil Conservation Division

State of New Mexico
Oil Conservation Division

Incident ID nAPP21113476
District RP

	Page 2 of 7
Incident ID	nAPP2111347695
District RP	
Facility ID	
Application ID	

Was this a major release as defined by	If YES, for what reason(s) does the responsible party consider this a major release? This is considered a major release because it is over 25 BBLS.
19.15.29.7(A) NMAC?	
⊠ Yes □ No	
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? went to the OCD by Lupe Carrasco via email on 3/29/2021.
immediate notice was giv	en to the OCD by Lupe Carrasco via email on 3/29/2021.
	Initial Response
The responsible p	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the relea	ase has been stopped.
☐ The impacted area ha	s been secured to protect human health and the environment.
Released materials have	ve been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
Per 19.15.29.8 B. (4) NM	AC the responsible party may commence remediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and
public health or the environn	required to report and/or file certain release notifications and perform corrective actions for releases which may endanger nent. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have
	ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
and/or regulations.	······································
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

Conservation Division

Incident ID nAPP2

District RP

Incident ID	nAPP2111347695
District RP	
Facility ID	
Application ID	

Page 3 of 77

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<50 (ft bgs)	
Did this release impact groundwater or surface water?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ⊠ No	
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ⊠ No	
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ⊠ No	
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ⊠ No	
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ⊠ No	
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ⊠ No	
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ⊠ No	
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ⊠ No	
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ⊠ No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.		
Characterization Report Checklist: Each of the following items must be included in the report.		
 Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells. Field data Data table of soil contaminant concentration data Depth to water determination Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release Boring or excavation logs 		
N Photographs including date and GIS information		

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

Topographic/Aerial maps

☐ Laboratory data including chain of custody

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	Page 4 of	77
Incident ID	nAPP2111347695	
District RP		
Facility ID		
Application ID		

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

Printed Name: Dale Woodall

Signature: Dale Woodall

Title: Environmental Professional

Date: 5/2/2022

email: dale.woodall@dvn.com

Telephone: 575-748-1838

OCD Only

Received by: _______ Date: _______

	Page 5 of	77
Incident ID	nAPP2111347695	
District RP		
Facility ID		
Application ID		

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	e included in the plan.	
□ Detailed description of proposed remediation technique □ Scaled sitemap with GPS coordinates showing delineation points □ Estimated volume of material to be remediated □ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC □ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)		
Deferral Requests Only: Each of the following items must be con	afirmed as part of any request for deferral of remediation.	
	roduction equipment where remediation could cause a major facility	
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.	
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of	
Printed Name:	Title:	
Signature:	Date:	
email:	Telephone:	
OCD Only		
Received by:	Date:	
☐ Approved ☐ Approved with Attached Conditions of	Approval	
Signature:	Date:	

Page 6 of 77

Incident ID	nAPP2111347695
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following in	tems must be included in the closure report.		
★ A scaled site and sampling diagram as described in 19.15.29.11 NMAC			
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)			
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)		
Description of remediation activities			
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in		
email: dale.woodall@dvn.com	Telephone: <u>575-748-1838</u>		
OCD Only			
OCD Only			
Received by:	Date:		
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.		
Closure Approved by:	Date:05/20/2022		
Printed Name:Jennifer Nobui	Title: Environmental Specialist A		



April 13, 2022

#5E31003-BG4

NMOCD District 1 1625 French Drive Hobbs, New Mexico 88240

SUBJECT: Remediation Closure Report for the Cobber 21 CTB 2 Releases (NAPP2111347695 and NAPP2201155587), Lea County, New Mexico

1.0 Executive Summary

On behalf of Devon Energy Production Company (Devon), Souder, Miller & Associates (SMA) has prepared this Closure Report that describes sampling activities for two produced water releases related to oil and gas production activities at the Cobber 21 CTB 2 (NAPP2111347695 and NAPP2201155587). The release site is located in Unit C, Section 21, Township 26S, Range 34E, Lea County, New Mexico, on Federal land managed by the Bureau of Land Management (BLM). Figure 1 illustrates the vicinity and site location on a United States Geological Survey (USGS) 7.5-minute quadrangle map.

This report demonstrates that the release area has been remediated to meet the standards of Table I of 19.15.29.12 New Mexico Administrative Code (NMAC). The information provided in this report is intended to fulfill final New Mexico Oil Conservation Division (NMOCD) closure requirements.

SMA recommends no further action and requests that the releases associated with the Cobber 21 CTB 2 Releases (NAPP2111347695 and NAPP2201155587).

Table 1 summarizes release information and Closure Criteria.

Table 1: Release Information and Closure Criteria			
Name	Cobber 21 CTB 2	Company	Devon Energy Production Company
API Number	n/a	Location	32.033372 -103.475663
Tracking Number	NAPP2111347695 and NAPP2201155587		
Estimated Date of Release	March 24, 2021 January 10, 2022	Date Reported to NMOCD	March 29, 2021 January 11, 2022
Land Owner	Federal (BLM)	Reported To	NMOCD District I
Source of Release	Leak from the water transfer pump		
Released Volume	58.2 barrels (bbls) 36.80 bbls	Released Material	Produced Water
Recovered Volume	35 bbls 30 bbls	Net Release	23.2 bbls 6.8 bbls
NMOCD Closure Criteria	<50 feet to groundwater		
SMA Response Dates	March 9, and March 24, 2022		

Cobber 21 CTB 2 Closure Report April 13, 2022

Page 2 of 4

2.0 Background

On March 24, 2021, a produced water release of 58.2 bbls was discovered at the Cobber 21 CTB 2 site. Initial response activities were conducted by Devon, and included source elimination and site security, containment, and site stabilization activities. Approximately 35 bbls of produced water was recovered. The release was assigned to the compliance agreement between NMOCD and Devon.

A subsequent release occurred on January 10, 2021, releasing 36.8 bbls of produced water at the Cobber 21 CTB 2 site. Initial response activities were conducted by Devon, and included source elimination and site security, containment, and site stabilization activities. Approximately 30 bbls of produced water was recovered.

Figure 1 illustrates the vicinity and site location; Figure 2 illustrates the release location. Copies of the initial C-141 forms are included in Appendix A.

3.0 Site Information and Closure Criteria

The Cobber 21 CTB 2 site is located approximately 17 miles southwest of Jal, New Mexico on Federal (BLM) land at an elevation of approximately 3,311 feet above mean sea level (amsl).

Depth to Groundwater

A search of the New Mexico Office of the State Engineer (OSE) New Mexico Water Rights Reporting System (NMWRRS) and the USGS National Water Information System did not yield any results within ½-mile of the site (Appendix B). Thus, depth to groundwater is considered to be less than 50 feet below grade surface (bgs) for the Closure Criteria determination.

Wellhead Protection Area

There are no known water sources within ½-mile of the location, according to the OSE NMWRRS and USGS National Water Information System. Registered wells in the vicinity are shown on Figure 1.

Distance to Nearest Significant Watercourse

The release site is located approximately 4,260 feet southwest of an ephemeral wash.

Table 2 demonstrates the Closure Criteria applicable to this location. Figures 1 and 2 illustrate the 200 and 300-foot radii which indicate that the site does not lie within a sensitive area as described in Paragraph (4) of Subsection (C) of 19.15.29.12 NMAC.

Based on the information presented herein, the applicable NMOCD Closure Criteria for this site is for a groundwater depth of less than 50 feet bgs.

4.0 Release Characterization and Remediation Activities

On March 9, 2022, SMA personnel performed delineation sampling activity throughout the release area. Using a hand auger, samples were collected for field screening. Soil samples were field screened for chloride using an electrical conductivity (EC) meter and for hydrocarbon impacts using a calibrated MiniRAE 3000 photoionization detector (PID) equipped with a 10.6 eV lamp. SMA selected four (4) locations (BH01 through BH04) to collect samples for laboratory analysis.

Two (2) discrete samples, ranging in depth, were collected from each of the four (4) boreholes. The samples were collected for laboratory analysis for total chloride using United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel and gasoline range organics (MRO, DRO, and GRO) by USEPA

Cobber 21 CTB 2 Closure Report April 13, 2022

Page 3 of 4

Method 8015D. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech Analytical Laboratory in Farmington, New Mexico.

SMA noted that borehole depths remained shallow throughout the immediate area of the release due to auger refusal.

As demonstrated in Table 3, all borehole samples meet NMOCD Closure Criteria.

On March 24, 2022, SMA returned to site to collect closure confirmation samples. Closure confirmation samples were composed of 5-point composites collected every 200 square feet or less in accordance with the sampling protocol included in Appendix C.

Six (6) composite samples were collected for laboratory analysis for total chloride using United States Environmental Protection Agency (USEPA) Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using USEPA Method 8021B; and total petroleum hydrocarbons (TPH) as motor, diesel and gasoline range organics (MRO, DRO, and GRO) by USEPA Method 8015D. Samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to Envirotech Analytical Laboratory in Farmington, New Mexico.

The sample area measured approximately 1,200 square feet.

Sample locations are depicted in Figure 3. A photo log is included in Appendix D. Confirmation laboratory results are summarized in Table 3. Laboratory reports are included in Appendix E.

5.0 Recommendations

As demonstrated in Table 3, all closure confirmation samples meet NMOCD Closure Criteria. The site meets the closure standards of Table I of 19.15.29.12 NMAC.

SMA recommends no further action and requests closure of Incident Numbers NAPP2111347695 and NAPP2201155587.

6.0 Scope and Limitations

The scope of our services included: assessment sampling; verifying release stabilization; regulatory liaison; remediation guidance; and preparing this report. All work has been performed in accordance with generally accepted professional environmental consulting practices for oil and gas releases in the Permian Basin in New Mexico.

If there are any questions regarding this report, please contact Ashley Maxwell at 505-320-8975.

Submitted by:

Reviewed by:

SOUDER, MILLER & ASSOCIATES

Ashley Maxwell Project Scientist Reid S. Allan, P.G. Sr. Vice President

Malle

Cobber 21 CTB 2 Closure Report April 13, 2022

Page 4 of 4

REFERENCES:

New Mexico Office of the State Engineer (NMOSE) online water well database https://gis.ose.state.nm.us/gisapps/ose_pod_locations/; accessed 3/18/2022

ATTACHMENTS:

Figures:

Figure 1: Site Map

Figure 2: Surface Water Protection Map Figure 3: Site and Sample Location Map

Tables:

Table 2: NMOCD Closure Criteria Justification

Table 3: Summary of Sample Results

Appendices:

Appendix A: Form C-141
Appendix B: Water Well Data
Appendix C: Sampling Protocol

Appendix D: Field Notes and Photo Log Appendix E: Laboratory Analytical Reports

FIGURES

Received by OCD: 5/2/2022 2:29:52 PM Page 14 of 77 Legend Point of Release Closure Samples Boreholes BuriedPipelines Release Area BH02 BH04 BH03 CBS02 CBS03 CBS01 BH01 BS06 CBS04 CBS05 20 80 0 Feet Scale: 1:518 Maxar, Microsoft Site and Sample Location Map Cobber 21 CTB 2 - Devon Energy Production Co. Figure 3 UL: C S: 21 T: 26S R: 34E, Lea County, New Mexico Revisions Sarahmay Schlea 201 South Halaguena Street Drawn Carlsbad, New Mexico 88221 ____ Descr: 4/6/2022 Date (575) 689-7040 Checked Serving the Southwest & Rocky Mountains © Souder, Miller & Associates, 2021, All Rights Reserved Approved

TABLES

Table 2: NMOCD Closure Criteria

Site Information (19.15.29.11.A(2, 3, and 4) NMAC)	Source/Notes		
Depth to Groundwater (feet bgs)		United States Geological Survey	
Hortizontal Distance From All Water Sources Within 1/2 Mile (ft)	NA	New Mexico Office of the State Engineer	
Hortizontal Distance to Nearest Significant Watercourse (ft)	4,260	United States Geological Survey Topo Map	

Closure Criteria (19.15.2	29.12.B(4) an	d Table 1 NMAC)					
		Closure Criteria (units in mg/kg)					
Depth to Groundwater	Chloride *numerical limit or background, whichever is greater	ТРН	GRO + DRO	ВТЕХ	Benzene		
< 50' BGS	Х	600	100		50	10	
51' to 100'		10000	2500	1000	50	10	
>100'		20000	2500	1000	50	10	
Surface Water	Surface Water yes or no if yes, then						
<300' from continuously flowing watercourse or other significant							
watercourse?	No						
<200' from lakebed, sinkhole or playa lake?	No						
Water Well or Water Source							
<500 feet from spring or a private, domestic fresh water well used by							
less than 5 households for domestic or stock watering purposes?	No						
<1000' from fresh water well or spring?	No						
Human and Other Areas		600	100		50	10	
<300' from an occupied permanent residence, school, hospital,		000	100		30	10	
institution or church?	No						
within incorporated municipal boundaries or within a defined							
municipal fresh water well field?	No						
<100' from wetland?	No						
within area overlying a subsurface mine	No						
within an unstable area?	No						
within a 100-year floodplain?	No						



Sample Depth of		Method 8021B		Method 8015D				Method 300.0	
Sample ID	Date	Sample (feet bgs)	ВТЕХ	Benzene	GRO	DRO	MRO	Total TPH	CI-
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOC	D Closure Cri	iteria	50	10	1	00		100	600
Initial Delineation									
BH01	3/9/2022	0-0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	25.4
ВПОТ	3/9/2022	1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	68.2
BH02	3/9/2022	0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	24.4
BHOZ	3/9/2022	1.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	23.8
BH03	3/9/2022	0	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	41.8
61103	3/9/2022	1	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	27.8
BH04	3/9/2022	surface	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
DI 104	3/9/2022	0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BG	3/9/2022	0.6	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
BG	3/9/2022	1-2	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0

[&]quot;-" = Not Analyzed

BG: Background sample

	Cample	Sample Depth of		Method 8021B		Method 8015D			
Sample ID	Sample Date	Sample (feet bgs)	BTEX	Benzene	GRO	DRO	MRO	Total TPH	CI-
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
NMOCD Closure Criteria 50 10					1	00		100	600
	Closure Sampling								
CBS-01	3/24/2022	0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	270
CBS-02	3/24/2022	0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	26.4
CBS-03	3/24/2022	0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	77.5
CBS-04	3/24/2022	0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	<20.0
CBS-05	3/24/2022	0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	33.7
CBS-06	3/24/2022	0.5	<0.100	<0.0250	<20.0	<25.0	<50.0	<95.0	90.3

[&]quot;-" = Not Analyzed

BG: Background sample



APPENDIX A FORM C141

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party			OGRID	OGRID					
Contact Nam	Contact Name C			Contact To	et Telephone				
Contact emai	Contact email Inc					Incident # (assigned by OCD)			
Contact mail:	ing address			-					
			Location	of Release S	ource				
Latitude				Longitude					
			(NAD 83 in dec	cimal degrees to 5 decir	nal places)				
Site Name				Site Type					
Date Release	Discovered			API# (if app	olicable)				
Unit Letter	Section	Township	Range	Cour	ntv]			
Onit Detter	Section	Township	Runge	Cour	11.9				
Surface Owner	r: State	☐ Federal ☐ Tr	ibal Private (I	Name:)			
			Nature and	d Volume of 1	Release				
Crude Oil		Volume Released		calculations or specific	Volume Reco	volumes provided below) vered (bbls)			
Produced	Water	Volume Release	` '		Volume Recovered (bbls)				
			ion of total dissol	ved solids (TDS)	Yes No				
		in the produced v	water >10,000 mg						
Condensa		Volume Release			Volume Reco				
Natural G	as	Volume Release	d (Mcf)		Volume Recovered (Mcf)				
Other (des	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weight Recovered (provide units)				
Cause of Rele	ease								

Received by OCD: 5/2/2022 2:29852 PM State of New Mexico Page 2 Oil Conservation Division

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Incident ID	NAPP2111347695
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the responsible party cons	ider this a major release?
☐ Yes ☐ No		
If YES, was immediate no	notice given to the OCD? By whom? To whom? When and	by what means (phone, email, etc)?
	Initial Response	
The responsible	e party must undertake the following actions immediately unless they could o	create a safety hazard that would result in injury
☐ The source of the rele	lease has been stopped.	
☐ The impacted area ha	as been secured to protect human health and the environmen	t.
Released materials ha	nave been contained via the use of berms or dikes, absorbent	pads, or other containment devices.
All free liquids and re	recoverable materials have been removed and managed appro	opriately.
If all the actions described	ed above have not been undertaken, explain why:	
D 10.15.00 0 D (4) 334		
has begun, please attach	MAC the responsible party may commence remediation imma a narrative of actions to date. If remedial efforts have been area (see 19.15.29.11(A)(5)(a) NMAC), please attach all	n successfully completed or if the release occurred
	formation given above is true and complete to the best of my knowledge.	
	e required to report and/or file certain release notifications and performent. The acceptance of a C-141 report by the OCD does not relie	
	gate and remediate contamination that pose a threat to groundwater of a C-141 report does not relieve the operator of responsibility for	
Printed Name:	Title:	
Signature: <u>Kendra</u>	a DeHoyos Date:	
email:	Telephone:	
	•	
OCD Only		
Received by: Ramona I	Marcus Date:	21

NAPP2111347695

Spills In Lined Containment						
Measurements	Measurements Of Standing Fluid					
Length(Ft)	80					
Width(Ft)	40					
Depth(in.)	1					
Total Capacity without tank displacements (bbls)	47.50					
No. of 500 bbl Tanks In Standing Fluid						
No. of Other Tanks In Standing Fluid	8.2					
OD Of Other Tanks In Standing Fluid(feet)	16					
Total Volume of standing fluid accounting for tank displacement.	23.04					

Spill Volume(Bbls) Calculator Inputs in blue, Outputs in red							
Contaminated	Contaminated Soil measurement						
Area (square feet)	Depth(inches)						
27018	0.400						
Cubic Feet of Soil Impacted	900.600						
Barrels of Soil Impacted	160.53						
Soil Type	Clay/Sand						
Barrels of Oil Assuming 100% Saturation	24.08						
Saturation Fluid	present when squeezed						
Estimated Barrels of Oil Released	12.04						
Free Stand	ling Fluid Only						
Area (square feet)	Depth(inches)						
<u>600</u>	1.250						
Standing fluid	11.141						
Total fluids spilled	35.221						

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

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 25400

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:		
DEVON ENERGY PRODUCTION COMPAN	333 West Sheridan Ave.	Oklahoma City, OK73102	6137	25400	C-141

OCD Reviewer	Condition
rmarcus	None

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

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Release Notification

Responsible Party

Responsible	Party			OGRID		
Contact Nam	ie			Contact Te	elephone	
Contact emai	1			Incident #	(assigned by OCD)	
Contact mail	ing address			1		
			Location	of Release So	ource	
Latitude			(NAD 83 in dec	Longitude _ imal degrees to 5 decim	nal places)	
Site Name				Site Type		
Date Release	Discovered			API# (if app	licable)	
Unit Letter	Section	Township	Range	Coun	ity	
Crude Oil	Material	Federal Tr	Nature and	l Volume of I		e volumes provided below)
Produced		Volume Released			Volume Reco	` '
	water	Is the concentrate	ion of total dissolv water >10,000 mg		Youtile Reco	
Condensa	te	Volume Release	d (bbls)		Volume Reco	overed (bbls)
Natural G	as	Volume Released	d (Mcf)		Volume Reco	overed (Mcf)
Other (des	scribe)	Volume/Weight	Released (provide	units)	Volume/Weig	ght Recovered (provide units)
Cause of Rela	ease					

Received by OCD: 5/2/2022 229552 PM State of New Mexico
Page 2 Oil Conservation Division

	Page 24 of)	77
Incident ID		
District RP		
Facility ID		
Application ID		

Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	sible party consider this a major release?
☐ Yes ☐ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
		(4,,,
	Initial Ro	esponse
The responsible	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area ha	is been secured to protect human health and	the environment.
Released materials ha	ave been contained via the use of berms or c	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	l managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain	vhy:
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a three	best of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name:		Title:
Signature: <u>Kendra</u>	DeHoyos	
email:		Telephone:
OCD Only		
Received by: Ramona N	Marcus	Date: 1/25/2022

Spills In Line	d Containment
Measurements	Of Standing Fluid
Length(Ft)	100
Width(Ft)	50
Depth(in.)	0.55
Total Capacity without tank displacements (bbls)	40.82
No. of 500 bbl Tanks	
In Standing Fluid	8
No. of Other Tanks In Standing Fluid	
OD Of Other Tanks In Standing Fluid(feet)	
Total Volume of standing fluid accounting for tank displacement.	28.50

<u>Spil</u>	I Volume(E	Bbls) Calculator
Inj	outs in blue	, Outputs in red
Cor	ntaminated S	Soil measurement
Area (squa	re feet)	Depth(inches)
3220.	<u>479</u>	<u>0.500</u>
Cubic Feet of S	oil Impacted	<u>134.187</u>
Barrels of Soi	l Impacted	23.92
Soil Ty	ype	Clay/Sand
Barrels of Oi 100% Sat		3.59
Saturation	Fluid pre	sent with shovel/backhoe
Estimated Ba Releas		3.59
	Free Stand	ing Fluid Only
Area (squa	re feet)	Depth(inches)
1282.	<u>653</u>	0.250
Standing	g fluid	<u>4.763</u>
Total fluid	s spilled	<u>8.351</u>

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

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

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

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 74840

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	74840
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By		Condition Date
rmarcus	None	1/25/2022

APPENDIX B WATER WELL DATA



New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a (R=POD has been replaced, O=orphaned,

& no longer serves a C=the file is water right file.) Closed)

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

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

POD

Sub- Q Q Q Q Code basin County 64 16 4 Sec Tws Rng

X Y

(In feet)

Depth Depth Water

Well Water Column

POD Number C 04583 POD1

CUB LE 3 3 3 15 26S 34E

644920 3545643

55

Average Depth to Water:

Minimum Depth: --

Maximum Depth: --

Record Count: 1

PLSS Search:

Section(s): 15, 16, 17, 20, **Township:** 26S

Range: 34E

21, 22, 27, 28,

29

APPENDIX C SAMPLING PROTOCOL



Sampling Protocol

The soil samples were collected in laboratory supplied containers in accordance with this sampling protocol, immediately placed on ice and sent under standard chain-of-custody protocols to Envirotech Analytical Laboratory located in Farmington, New Mexico for analysis. Samples were collected for laboratory analysis for total chloride using EPA Method 300.0; benzene, toluene, ethylbenzene and total xylenes (BTEX) using EPA Method 8021B; and motor, diesel and gasoline range organics (MRO, DRO, and GRO) by EPA Method 8015D.

Sampling Analysis Field Quality Assurance Procedures

A unique sample numbering was used to identify each sample collected and designated for on-site and off-site laboratory analysis. The purpose of this numbering scheme was to provide a tracking system for the retrieval of analytical and field data on each sample. Sample identification numbers were recorded on sample labels or tags, field notes, chain-of-custody records (COC) and all other applicable documentation used during the project. Sample labels were affixed to all sample containers during sampling activities. Information was recorded on each sample container label at the time of sample collection. The information recorded on the labels were as follows: sample identification number; sample type (discrete or composite); site name and area/location number; analysis to be performed; type of chemical preservative present in container; date and time of sample collection; and sample collector's name and initials. All samples were packed in ice in an approved rigid body container, custody sealed signed and shipped to the appropriate laboratory via insured currier service.

COC procedures implemented for the project provided documentation of the handling of each sample from the time of collection until completion of laboratory analysis. A COC form serves as a legal record of possession of the sample. A sample is considered to be under custody if one or more of the following criteria are met: the sample is in the sampler's possession; the sample is in the sampler's view after being in possession; the sample was in the sampler's possession and then was placed into a locked area to prevent tampering; and/or the sample is in a designated secure area. Custody was documented throughout the project field sampling activities by a chain-of custody form initiated each day during which samples are collected. Container custody seals placed on either individual samples or on the rigid body container were used to ensure that no sample tampering occurs between the time the samples are placed into the containers and the time the containers are opened for analysis at the laboratory. Container custody seals were signed and dated by the individual responsible for completing the COC form contained within the container.

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APPENDIX D
FIELD NOTES
&
PHOTO LOG

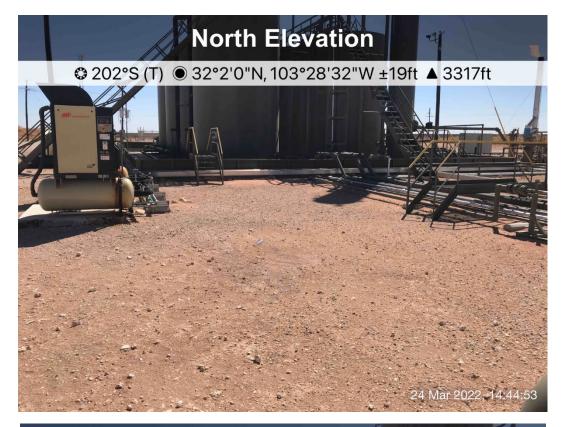
88			ASWA	Field Screening	ening			
Location Name: Devict Colobber; Closure Sampling	cr., Clo	sures		Date: $3 \mid \mathcal{I}$	3/24/22			
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
composite CBCS Q 6"	1430	6.63	J(.0	9.8	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	PIDFORINGWICKERSAMPLES: M=1.2 SW=1.0 NE=0.3 NW=1.3 SE=0.2
CBSO1 (2) (6"	1504	0.26	19.3		Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Cfay	Dry Moist Wet	
CBS@ 2 Q ("	1512	0.17	2.81		Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
CBS03 0"	8251	11.0	h.8		Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
CBSQ4 2 6"	1536	90.0	5.81			Gravel Rock Sand Silt Clay	Dry Moist Wet	
CBS OS OD 6"	1545	90.0	19.4		Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
") Corsas	1555	31.0	18.6		Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
(C:(1) 0 A					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	

77 to 28 og 77

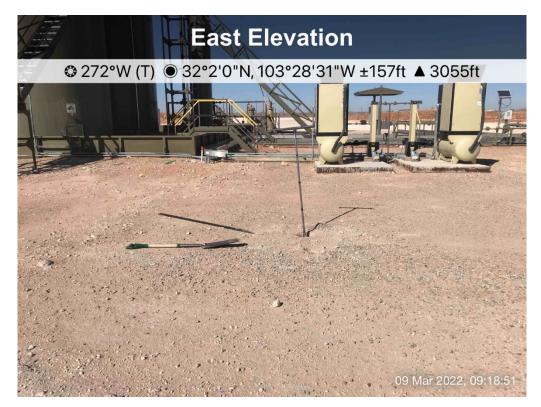
Received by OCD: 5/2/2022 2:29:52 PM

















APPENDIX E LABORATORY ANALYTICAL REPORTS

Report to:
Ashley Maxwell







5796 U.S. Hwy 64 Farmington, NM 87401

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





envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Souder Miller Associates - Carlsbad

Project Name: Cobber 21 CTB 2

Work Order: E203174

Job Number: 01058-0007

Received: 3/28/2022

Revision: 4

Report Reviewed By:

Walter Hinchman Laboratory Director 4/11/22

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 4/11/22

Ashley Maxwell 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Cobber 21 CTB 2

Workorder: E203174

Date Received: 3/28/2022 8:15:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/28/2022 8:15:00AM, under the Project Name: Cobber 21 CTB 2.

The analytical test results summarized in this report with the Project Name: Cobber 21 CTB 2 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

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labadmin@envirotech-inc.com

Field Offices:

Southern New Mexico Area Lynn Jarboe

Lynn Jan Due

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan

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

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CBS - 01	5
CBS - 02	6
CBS - 03	7
CBS - 04	8
CBS - 05	9
CBS - 06	10
QC Summary Data	11
QC - Volatile Organics by EPA 8021B	11
QC - Nonhalogenated Organics by EPA 8015D - GRO	12
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	13
QC - Anions by EPA 300.0/9056A	14
Definitions and Notes	15
Chain of Custody etc.	16

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	Donoutoda
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/11/22 14:56

Client Sample ID	Lab Sample ID Matrix	Sampled	Received	Container
CBCS @ 6"	E203174-01A Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 01	E203174-02A Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 02	E203174-03A Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 03	E203174-04A Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 04	E203174-05A Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 05	E203174-06A Soil	03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 06	E203174-07A Soil	03/24/22	03/28/22	Glass Jar, 4 oz.



Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 2:56:34PM

CBS - 01 E203174-02

		E2031/4-02				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Analyte	Kesuit	LIIIII	Dilution	Frepared	Analyzeu	notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
Surrogate: n-Nonane		112 %	50-200	04/01/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: RAS		Batch: 2214056
Chloride	270	20.0	1	03/31/22	04/04/22	



Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 2:56:34PM

CBS - 02 E203174-03

		E203174-03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.9 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
Surrogate: n-Nonane		118 %	50-200	04/01/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2214056
Chloride	26.4	20.0	1	03/31/22	04/04/22	



Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 2:56:34PM

CBS - 03 E203174-04

		E2031/4-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.1 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
Surrogate: n-Nonane		123 %	50-200	04/01/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2214056
Chloride	77.5	20.0	1	03/31/22	04/04/22	



Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 2:56:34PM

CBS - 04 E203174-05

		1205174 03				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
-Xylene	ND	0.0250	1	03/30/22	04/02/22	
o,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.3 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	vst: JL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
Surrogate: n-Nonane		123 %	50-200	04/01/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	vst: RAS		Batch: 2214056
Chloride	ND	20.0	1	03/31/22	04/04/22	



Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 2:56:34PM

CBS - 05 E203174-06

		E2031/4-06				
Austra	Result	Reporting Limit	Dilutior		A lama d	Notes
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.4 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
Surrogate: n-Nonane		101 %	50-200	04/01/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: RAS		Batch: 2214056
Chloride	33.7	20.0	1	03/31/22	04/04/22	



Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 2:56:34PM

CBS - 06 E203174-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: IY		Batch: 2214043
Benzene	ND	0.0250	1	03/30/22	04/02/22	
Ethylbenzene	ND	0.0250	1	03/30/22	04/02/22	
Toluene	ND	0.0250	1	03/30/22	04/02/22	
o-Xylene	ND	0.0250	1	03/30/22	04/02/22	
p,m-Xylene	ND	0.0500	1	03/30/22	04/02/22	
Total Xylenes	ND	0.0250	1	03/30/22	04/02/22	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: IY		Batch: 2214043
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/30/22	04/02/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		92.8 %	70-130	03/30/22	04/02/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	st: JL		Batch: 2214080
Diesel Range Organics (C10-C28)	ND	25.0	1	04/01/22	04/05/22	
Oil Range Organics (C28-C36)	ND	50.0	1	04/01/22	04/05/22	
Surrogate: n-Nonane		113 %	50-200	04/01/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: RAS		Batch: 2214056
Chloride	90.3	20.0	1	03/31/22	04/05/22	

Surrogate: 4-Bromochlorobenzene-PID

Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	Reported:
201 S Halagueno St.	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 2:56:34PM

Carlsbad NM, 88220		Project Manager	: As	shley Maxwell				4	/11/2022 2:56:34PM
		Volatile O		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 (2214043-BLK1)							Prepared: 0	3/30/22 Ana	alyzed: 04/01/22
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	8.39		8.00		105	70-130			
LCS (2214043-BS1)							Prepared: 0	3/30/22 Ana	alyzed: 04/01/22
Benzene	4.59	0.0250	5.00		91.9	70-130			
Ethylbenzene	4.31	0.0250	5.00		86.2	70-130			
Toluene	4.52	0.0250	5.00		90.4	70-130			
o-Xylene	4.50	0.0250	5.00		89.9	70-130			
p,m-Xylene	8.89	0.0500	10.0		88.9	70-130			
Total Xylenes	13.4	0.0250	15.0		89.3	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.53		8.00		107	70-130			
LCS Dup (2214043-BSD1)							Prepared: 0	3/30/22 Ana	alyzed: 04/01/22
Benzene	5.00	0.0250	5.00		100	70-130	8.50	20	
Ethylbenzene	4.69	0.0250	5.00		93.9	70-130	8.51	20	
Toluene	4.92	0.0250	5.00		98.4	70-130	8.51	20	
o-Xylene	4.90	0.0250	5.00		98.0	70-130	8.61	20	
p,m-Xylene	9.67	0.0500	10.0		96.7	70-130	8.42	20	
Total Xylenes	14.6	0.0250	15.0		97.2	70-130	8.48	20	



Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	Reported:
201 S Halagueno St.	Project Number:	01058-0007	
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 2:56:34PM

Carlsbad NM, 88220		Project Manage	r: As	hley Maxwel	1				4/11/2022 2:56:34PM
	Non	Analyst: IY							
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits	RPD %	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	70	/0	/0	/0	ivotes
Blank (2214043-BLK1)							Prepared: 0	3/30/22	Analyzed: 04/01/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			
LCS (2214043-BS2)							Prepared: 0	3/30/22	Analyzed: 04/01/22
Gasoline Range Organics (C6-C10)	49.3	20.0	50.0		98.6	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			
LCS Dup (2214043-BSD2)							Prepared: 0	3/30/22	Analyzed: 04/01/22
Gasoline Range Organics (C6-C10)	50.8	20.0	50.0		102	70-130	3.05	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			



Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	Reported:
201 S Halagueno St.	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 2:56:34PM

Carlsbad NM, 88220		Project Manage	r: As	shley Maxwel	1			4	/11/2022 2:56:34PN
	Nonha	logenated Or	ganics by	EPA 8015I) - DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2214080-BLK1)							Prepared: 0	4/01/22 Ana	alyzed: 04/02/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	57.4		50.0		115	50-200			
LCS (2214080-BS1)							Prepared: 0	4/01/22 Ana	alyzed: 04/02/22
Diesel Range Organics (C10-C28)	476	25.0	500		95.2	38-132			
urrogate: n-Nonane	55.9		50.0		112	50-200			
Matrix Spike (2214080-MS1)				Source:	E203172-	05	Prepared: 0	4/01/22 Ana	alyzed: 04/02/22
Diesel Range Organics (C10-C28)	477	25.0	500	ND	95.4	38-132			
urrogate: n-Nonane	57.3		50.0		115	50-200			
Matrix Spike Dup (2214080-MSD1)				Source:	E203172-	05	Prepared: 0	4/01/22 Ana	alyzed: 04/02/22
Diesel Range Organics (C10-C28)	485	25.0	500	ND	97.0	38-132	1.64	20	
'urrogate: n-Nonane	57.3		50.0		115	50-200			



Souder Miller Associates - Carlsbad		Project Name:		obber 21 CTB	2				Reported:
201 S Halagueno St. Carlsbad NM, 88220	Project Number: 01058-0007 Project Manager: Ashley Maxwell						4/11/2022 2:56:34P		
		Anions	by EPA 3	00.0/9056	1				Analyst: RAS
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2214056-BLK1)							Prepared: 0	3/31/22 A	nalyzed: 04/02/22
Chloride	ND	20.0							
LCS (2214056-BS1)							Prepared: 0	3/31/22 A	analyzed: 04/02/22
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2214056-MS1)				Source:	E203172-	01	Prepared: 0	3/31/22 A	nalyzed: 04/02/22
Chloride	278	20.0	250	ND	111	80-120			
Matrix Spike Dup (2214056-MSD1)				Source:	E203172-)1	Prepared: 0	3/31/22 A	nalyzed: 04/02/22
Chloride	271	20.0	250	ND	108	80-120	2.53	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

Souder Miller Associates - Carlsbad	Project Name:	Cobber 21 CTB 2	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/11/22 14:56

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Received by OCD: 5/2/2022 2:29:52 PM

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envirotech

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:	Souder Miller Associates - Carlsbad	Date Received:	03/28/22 08	8:15	Work Order ID:	E203174
Phone:	(505) 325-7535	Date Logged In:	03/25/22 14	4:40	Logged In By:	Alexa Michaels
Email:	ashley.maxwell@soudermiller.com	Due Date:	04/01/22 1	7:00 (4 day TAT)		
CI · C	G 4 1 (COC)					
	Custody (COC)		37			
	ne sample ID match the COC?	otab the COC	Yes			
	ne number of samples per sampling site location ma	iteli tile COC	Yes			
	amples dropped off by client or carrier? e COC complete, i.e., signatures, dates/times, reque	4 . 4 1 9	Yes Yes	Carrier: <u>Ul</u>	<u>PS</u>	
		ested analyses?				
5. Were a	Il samples received within holding time? Note: Analysis, such as pH which should be conducted i.e, 15 minute hold time, are not included in this disucss		Yes	_	<u>Commen</u>	ts/Resolution
Sample T	urn Around Time (TAT)					
6. Did the	COC indicate standard TAT, or Expedited TAT?		Yes			
Sample C	Cooler cample cooler received?		Yes			
	was cooler received in good condition?		Yes			
• 1	e sample(s) received intact, i.e., not broken?					
	custody/security seals present?		Yes			
	* *		No			
	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 a minutes of sampling	re received w/i 15	Yes			
13. If no v	visible ice, record the temperature. Actual sampl	e temperature: 4°0	<u>C</u>			
Sample C						
	queous VOC samples present?		No			
	OC samples collected in VOA Vials?		NA			
16. Is the	head space less than 6-8 mm (pea sized or less)?		NA			
17. Was a	trip blank (TB) included for VOC analyses?		NA			
18. Are no	on-VOC samples collected in the correct containers	s?	Yes			
19. Is the a	appropriate volume/weight or number of sample conta	iners collected?	Yes			
Field Lab	<u>pel</u>					
	field sample labels filled out with the minimum inf	ormation:				
	ample ID?		Yes			
	ate/Time Collected? ollectors name?		Yes	_		
	reservation		No			
	the COC or field labels indicate the samples were p	reserved?	No			
	ample(s) correctly preserved?	reserved.	NA			
	filteration required and/or requested for dissolved	metals?	No			
	•		110			
	se Sample Matrix the sample have more than one phase, i.e., multiph	2527	No			
	, does the COC specify which phase(s) is to be ana		No			
		lyzeu:	NA			
	act Laboratory					
	amples required to get sent to a subcontract laborate	-	No			
29. Was a	subcontract laboratory specified by the client and	if so who?	NA	Subcontract Lab:	na	
Client Ir	<u>istruction</u>					

Date

Report to:
Ashley Maxwell







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

Souder Miller Associates - Carlsbad

Project Name: Devon Cobber 21 CTB

Work Order: E203085

Job Number: 01058-0007

Received: 3/14/2022

Revision: 3

Report Reviewed By:

Walter Hinchman Laboratory Director 4/11/22

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. Envirotech Inc, holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 4/11/22

Ashley Maxwell 201 S Halagueno St. Carlsbad, NM 88220

Project Name: Devon Cobber 21 CTB

Workorder: E203085

Date Received: 3/14/2022 8:40:00AM

Ashley Maxwell,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/14/2022 8:40:00AM, under the Project Name: Devon Cobber 21 CTB.

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

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

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

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

Respectfully,

Walter Hinchman

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

whinchman@envirotech-inc.com

Raina Schwanz

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Field Offices:

Southern New Mexico Area Lynn Jarboe

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Cell: 505-320-4759

ljarboe@envirotech-inc.com

West Texas Midland/Odessa Area Rayny Hagan Technical Representative

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com



Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
BH01 @ 0-6"	5
BH01 @ 1'	6
BH02 @ 0-6"	7
BH02 @ 1.5'	8
BH03 @ 0	9
BH03 @ 10 - 12"	10
BH04 @ 0	11
BH04 @ 6"	12
BG @ 0 - 8"	13
BG @ 1 - 2'	14
QC Summary Data	15
QC - Volatile Organics by EPA 8021B	15
QC - Nonhalogenated Organics by EPA 8015D - GRO	16
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	17
QC - Anions by EPA 300.0/9056A	18
Definitions and Notes	19
Chain of Custody etc	20

Sample Summary

Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	Donoutoda
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/11/22 15:23

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BH01 @ 0-6"	E203085-01A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.
BH01 @ 1'	E203085-02A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.
BH02 @ 0-6"	E203085-03A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.
BH02 @ 1.5'	E203085-04A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.
BH03 @ 0	E203085-05A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.
BH03 @ 10 - 12"	E203085-06A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.
BH04 @ 0	E203085-07A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.
BH04 @ 6"	E203085-08A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.
BH05 @ 0'	E203085-09A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.
BG @ 0 - 8"	E203085-10A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.
BG @ 1 - 2'	E203085-11A	Soil	03/09/22	03/14/22	Glass Jar, 4 oz.

Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

BH01 @ 0-6" E203085-01

	E203085-01				
	Reporting				
Result	Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2212046
ND	0.0250	1	03/16/22	03/17/22	
ND	0.0250	1	03/16/22	03/17/22	
ND	0.0250	1	03/16/22	03/17/22	
ND	0.0250	1	03/16/22	03/17/22	
ND	0.0500	1	03/16/22	03/17/22	
ND	0.0250	1	03/16/22	03/17/22	
	91.9 %	70-130	03/16/22	03/17/22	
mg/kg	mg/kg	Ana	Analyst: RKS		Batch: 2212046
ND	20.0	1	03/16/22	03/17/22	
	100 %	70-130	03/16/22	03/17/22	
mg/kg	mg/kg	Ana	ılyst: JL		Batch: 2212053
ND	25.0	1	03/16/22	03/17/22	
ND	50.0	1	03/16/22	03/17/22	
	98.1 %	50-200	03/16/22	03/17/22	
mg/kg	mg/kg	Ana	alyst: KL		Batch: 2212059
25.4	20.0	1	03/16/22	03/18/22	
	mg/kg ND Mg/kg ND mg/kg	Result Reporting Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 20.0250 Mg/kg mg/kg MD 20.0 100 % mg/kg ND 25.0 ND 50.0 98.1 % 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 MD 0.0250 1 MD 0.0250 1 MD 0.0250 1 Mg/kg mg/kg Ana ND 20.0 1 100 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 98.1 % 50-200 mg/kg Mg/kg Ana	Reporting Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 03/16/22 ND 0.0250 1 03/16/22 ND 0.0250 1 03/16/22 ND 0.0250 1 03/16/22 ND 0.0500 1 03/16/22 ND 0.0250 1 03/16/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 03/16/22 mg/kg mg/kg Analyst: JL ND 25.0 1 03/16/22 ND 50.0 1 03/16/22 ND 50.0 1 03/16/22 ND 50.0 1 03/16/22 ND 50.0 0 03/16/22	Reporting Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 03/16/22 03/17/22 ND 0.0500 1 03/16/22 03/17/22 ND 0.0250 1 03/16/22 03/17/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 03/16/22 03/17/22 mg/kg mg/kg Analyst: JL ND 25.0 1 03/16/22 03/17/22 ND 25.0 1 03/16/22 03/17/22 ND 50.0 1 03/16/22 03/17/22 ND 50.0 1 03/16/22 03/17/22 ND 50.0 1 03/16/22



Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

BH01 @ 1' E203085-02

	E205005 02				
Result	Reporting Limit		Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2212046
ND	0.0250	1	03/16/22	03/17/22	
ND	0.0250	1	03/16/22	03/17/22	
ND	0.0250	1	03/16/22	03/17/22	
ND	0.0250	1	03/16/22	03/17/22	
ND	0.0500	1	03/16/22	03/17/22	
ND	0.0250	1	03/16/22	03/17/22	
	92.3 %	70-130	03/16/22	03/17/22	
mg/kg	mg/kg	Ana	Analyst: RKS		Batch: 2212046
ND	20.0	1	03/16/22	03/17/22	
	100 %	70-130	03/16/22	03/17/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2212053
ND	25.0	1	03/16/22	03/17/22	
ND	50.0	1	03/16/22	03/17/22	
	104 %	50-200	03/16/22	03/17/22	
mg/kg	mg/kg	Ana	lyst: KL		Batch: 2212059
68.2	20.0	1	03/16/22	03/18/22	
	mg/kg ND Mg/kg ND mg/kg	Result Limit mg/kg mg/kg ND 0.0250 ND 0.0250 ND 0.0250 ND 0.0500 ND 0.0250 MD 0.0250 MD 0.0250 MD 20.0 100 % mg/kg MD 25.0 ND 50.0 104 % mg/kg mg/kg mg/kg	mg/kg mg/kg Ana ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0250 1 ND 0.0500 1 ND 0.0250 1 92.3 % 70-130 mg/kg mg/kg Ana ND 20.0 1 100 % 70-130 1 mg/kg mg/kg Ana ND 25.0 1 ND 50.0 1 104 % 50-200 mg/kg Mg/kg Ana	Result Limit Dilution Prepared mg/kg mg/kg Analyst: RKS ND 0.0250 1 03/16/22 ND 0.0250 1 03/16/22 ND 0.0250 1 03/16/22 ND 0.0250 1 03/16/22 ND 0.0500 1 03/16/22 ND 0.0250 1 03/16/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 03/16/22 mg/kg mg/kg Analyst: JL ND 25.0 1 03/16/22 ND 50.0 1 03/16/22 ND 50.0 1 03/16/22 ND 50.0 1 03/16/22 Mg/kg Mg/kg Analyst: JL	Result Limit Dilution Prepared Analyzed mg/kg mg/kg Analyst: RKS ND 0.0250 1 03/16/22 03/17/22 ND 0.0250 1 03/16/22 03/17/22 ND 0.0250 1 03/16/22 03/17/22 ND 0.0500 1 03/16/22 03/17/22 ND 0.0250 1 03/16/22 03/17/22 ND 0.0250 1 03/16/22 03/17/22 ND 0.0250 1 03/16/22 03/17/22 mg/kg mg/kg Analyst: RKS ND 20.0 1 03/16/22 03/17/22 mg/kg mg/kg Analyst: JL ND 25.0 1 03/16/22 03/17/22 ND 25.0 1 03/16/22 03/17/22 ND 50.0 1 03/16/22 03/17/22 ND 50.0 1 03/16/22 03/17/22 <



Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

BH02 @ 0-6"

		E203085-03				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2212046
Benzene	ND	0.0250	1	03/16/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/17/22	
Toluene	ND	0.0250	1	03/16/22	03/17/22	
o-Xylene	ND	0.0250	1	03/16/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		93.1 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: RKS		Batch: 2212046	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2212053
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/18/22	
Surrogate: n-Nonane		98.9 %	50-200	03/16/22	03/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2212059
Chloride	24.4	20.0	1	03/16/22	03/18/22	



Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

BH02 @ 1.5' E203085-04

		E203003-04				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	yst: RKS		Batch: 2212046
Benzene	ND	0.0250	1	03/16/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/17/22	
Toluene	ND	0.0250	1	03/16/22	03/17/22	
o-Xylene	ND	0.0250	1	03/16/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		93.3 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	Analyst: RKS		Batch: 2212046
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.6 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	yst: JL		Batch: 2212053
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/18/22	
Surrogate: n-Nonane		95.0 %	50-200	03/16/22	03/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	yst: KL		Batch: 2212059
Chloride	23.8	20.0	1	03/16/22	03/18/22	



Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

BH03 @ 0

E203085-05						
		Reporting				
Analyte	Result	Limit	Dilution	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2212046
Benzene	ND	0.0250	1	03/16/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/17/22	
Toluene	ND	0.0250	1	03/16/22	03/17/22	
o-Xylene	ND	0.0250	1	03/16/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		93.8 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	alyst: RKS		Batch: 2212046
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.3 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	alyst: JL		Batch: 2212053
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/18/22	
Surrogate: n-Nonane		95.2 %	50-200	03/16/22	03/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	alyst: KL		Batch: 2212059
Chloride	41.8	20.0	1	03/16/22	03/18/22	



Oil Range Organics (C28-C36)

Anions by EPA 300.0/9056A

Surrogate: n-Nonane

Chloride

Sample Data

Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

BH03 @ 10 - 12" E203085-06

Reporting Analyte Result Limit Dilution Analyzed Notes Prepared Analyst: RKS Batch: 2212046 mg/kg mg/kg Volatile Organics by EPA 8021B 03/16/22 03/17/22 ND 0.0250 Benzene 1 03/16/22 03/17/22 Ethylbenzene ND 0.0250ND 0.025003/16/22 03/17/22 Toluene 03/16/22 1 03/17/22 o-Xylene ND 0.02501 03/16/22 03/17/22 ND 0.0500 p,m-Xylene 03/16/22 03/17/22 1 Total Xylenes ND 0.025003/16/22 03/17/22 93.2 % 70-130 Surrogate: 4-Bromochlorobenzene-PID Analyst: RKS mg/kg Batch: 2212046 Nonhalogenated Organics by EPA 8015D - GRO mg/kg 03/17/22 ND 20.0 1 03/16/22 Gasoline Range Organics (C6-C10) Surrogate: 1-Chloro-4-fluorobenzene-FID 99.0 % 03/16/22 03/17/22 70-130 mg/kg mg/kg Analyst: JL Batch: 2212053 Nonhalogenated Organics by EPA 8015D - DRO/ORO ND 25.0 03/16/22 03/18/22 Diesel Range Organics (C10-C28) ND 03/16/22 03/18/22 50.0 1

91.0 %

mg/kg

20.0

mg/kg

27.8

50-200

03/16/22

03/16/22

Analyst: KL

1

03/18/22

03/18/22

Batch: 2212059

Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

BH04 @ 0

E203085-07						
Reporting						
Analyte	Result	Limit	Dilutio	on Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2212046
Benzene	ND	0.0250	1	03/16/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/17/22	
Toluene	ND	0.0250	1	03/16/22	03/17/22	
o-Xylene	ND	0.0250	1	03/16/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		91.6 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Aı	nalyst: RKS		Batch: 2212046
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.4 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Aı	nalyst: JL		Batch: 2212053
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/18/22	
Surrogate: n-Nonane		96.5 %	50-200	03/16/22	03/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2212059
Chloride	ND	20.0	1	03/16/22	03/19/22	



Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

BH04 @ 6" E203085-08

		E203085-08				
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	Ana	lyst: RKS		Batch: 2212046
Benzene	ND	0.0250	1	03/16/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/17/22	
Toluene	ND	0.0250	1	03/16/22	03/17/22	
o-Xylene	ND	0.0250	1	03/16/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		92.8 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	lyst: RKS		Batch: 2212046
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.5 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2212053
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/18/22	
Surrogate: n-Nonane		101 %	50-200	03/16/22	03/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2212059
Chloride	ND	20.0	1	03/16/22	03/19/22	



Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

BG @ 0 - 8"
E203085-10

		E203085-10				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Allaryte	Result	Lillit	Dilution	Trepared	Allalyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2212046
Benzene	ND	0.0250	1	03/16/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/17/22	
Toluene	ND	0.0250	1	03/16/22	03/17/22	
o-Xylene	ND	0.0250	1	03/16/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		93.9 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Ana	lyst: RKS		Batch: 2212046
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.3 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Ana	lyst: JL		Batch: 2212053
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/18/22	
Surrogate: n-Nonane		96.8 %	50-200	03/16/22	03/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Ana	lyst: KL		Batch: 2212059
Chloride	ND	20.0	1	03/16/22	03/19/22	

Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

BG @ 1 - 2' E203085-11

		E203085-11				
Austra	Result	Reporting Limit	Dilution	D	A	Notes
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2212046
Benzene	ND	0.0250	1	03/16/22	03/17/22	
Ethylbenzene	ND	0.0250	1	03/16/22	03/17/22	
Toluene	ND	0.0250	1	03/16/22	03/17/22	
o-Xylene	ND	0.0250	1	03/16/22	03/17/22	
p,m-Xylene	ND	0.0500	1	03/16/22	03/17/22	
Total Xylenes	ND	0.0250	1	03/16/22	03/17/22	
Surrogate: 4-Bromochlorobenzene-PID		92.7 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Anal	yst: RKS		Batch: 2212046
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/17/22	
Surrogate: 1-Chloro-4-fluorobenzene-FID		100 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Anal	yst: JL		Batch: 2212053
Diesel Range Organics (C10-C28)	ND	25.0	1	03/16/22	03/18/22	
Oil Range Organics (C28-C36)	ND	50.0	1	03/16/22	03/18/22	
Surrogate: n-Nonane		113 %	50-200	03/16/22	03/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Anal	yst: KL		Batch: 2212059
Chloride	ND	20.0	1	03/16/22	03/19/22	



Devon Cobber 21 CTB Souder Miller Associates - Carlsbad Project Name: Reported: 201 S Halagueno St. Project Number: 01058-0007 Carlsbad NM, 88220 Project Manager: Ashley Maxwell 4/11/2022 3:23:47PM **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 Blank (2212046-BLK1) Prepared: 03/16/22 Analyzed: 03/17/22 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 7.39 8.00 92.4 70-130 LCS (2212046-BS1) Prepared: 03/16/22 Analyzed: 03/18/22 4.33 86.7 70-130 5.00 Benzene 0.0250 Ethylbenzene 4.51 0.0250 5.00 90.1 70-130 4.61 0.0250 5.00 92.2 70-130 Toluene 92.6 o-Xylene 4.63 0.0250 5.00 70-130 10.0 91.5 70-130 0.0500 p.m-Xvlene 91.9 70-130 13.8 15.0 Total Xylenes 0.0250 8.00 94.7 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.58 Matrix Spike (2212046-MS1) Source: E203085-01 Prepared: 03/16/22 Analyzed: 03/18/22 4.17 0.0250 5.00 ND 54-133 Benzene ND 87.0 61-133 Ethylbenzene 4.35 0.0250 5.00 Toluene 4.45 0.0250 5.00 ND 88.9 61-130 ND 89.3 63-131 4.46 5.00 0.0250 o-Xylene p,m-Xylene 8.84 0.0500 10.0 ND 88.4 63-131 13.3 0.0250 15.0 ND 63-131 Total Xylenes 70-130 Surrogate: 4-Bromochlorobenzene-PID 7.61 8.00 Matrix Spike Dup (2212046-MSD1) Source: E203085-01 Prepared: 03/16/22 Analyzed: 03/18/22 4.30 0.0250 5.00 ND 54-133 3.05 20 61-133 3.29 4.50 0.0250 5.00 ND 89.9 20 Ethylbenzene 61-130 Toluene 4 58 0.0250 5.00 ND 91.7 3.06 20 4.63 5.00 ND 92.5 63-131 3.60 20 o-Xylene 0.0250 3.20 9.13 10.0 ND 91.3 63-131 20 p,m-Xylene 0.0500



13.8

7.50

0.0250

15.0

8.00

ND

91.7

93.8

63-131

70-130

3.33

20

Total Xylenes

Surrogate: 4-Bromochlorobenzene-PID

Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	Reported:
201 S Halagueno St.	Project Number:	01058-0007	•
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	4/11/2022 3:23:47PM

Carlsbad NM, 88220		Project Manage	r: As	hley Maxwe	11			4/1	1/2022 3:23:47PN
	Nor	nhalogenated	Organics l	by EPA 80	15D - G	RO			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 (2212046-BLK1)							Prepared: 0	3/16/22 Anal	yzed: 03/17/22
Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.96		8.00		99.5	70-130			
LCS (2212046-BS2)							Prepared: 0	3/16/22 Anal	yzed: 03/18/22
Gasoline Range Organics (C6-C10)	46.7	20.0	50.0		93.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.13		8.00		102	70-130			
Matrix Spike (2212046-MS2)				Source:	E203085-	01	Prepared: 0	3/16/22 Anal	yzed: 03/18/22
Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.11		8.00		101	70-130			
Matrix Spike Dup (2212046-MSD2)				Source:	E203085-	01	Prepared: 0	3/16/22 Anal	yzed: 03/18/22
Gasoline Range Organics (C6-C10)	47.8	20.0	50.0	ND	95.7	70-130	1.20	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.08		8.00		101	70-130			



Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	Reported:
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Carlsbad NM, 88220		Project Manage	r: As	hley Maxwel	1				4/11/2022 3:23:47PM
	Nonhal	logenated Or	ganics by l	EPA 8015I	o - DRO	ORO/			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212053-BLK1)							Prepared: 0	3/16/22 A	nalyzed: 03/17/22
tiesel Range Organics (C10-C28)	ND	25.0							
vil Range Organics (C28-C36)	ND	50.0							
urrogate: n-Nonane	46.5		50.0		92.9	50-200			
.CS (2212053-BS1)							Prepared: 0	3/16/22 A	nalyzed: 03/17/22
riesel Range Organics (C10-C28)	487	25.0	500		97.4	38-132			
urrogate: n-Nonane	41.1		50.0		82.2	50-200			
Matrix Spike (2212053-MS1)				Source:	E203085-0	02	Prepared: 0	3/16/22 A	nalyzed: 03/17/22
viesel Range Organics (C10-C28)	487	25.0	500	ND	97.3	38-132			
urrogate: n-Nonane	40.2		50.0		80.5	50-200			
Matrix Spike Dup (2212053-MSD1)				Source:	E203085-0	02	Prepared: 0	3/16/22 A	nalyzed: 03/17/22
tiesel Range Organics (C10-C28)	498	25.0	500	ND	99.7	38-132	2.40	20	
urrogate: n-Nonane	37.8		50.0		75.6	50-200			



Chloride

QC Summary Data

Souder Miller Associates - Carlsbad 201 S Halagueno St. Carlsbad NM, 88220		Project Name: Project Number: Project Manager	0	evon Cobber 2 1058-0007 shley Maxwel				Reported: 4/11/2022 3:23:47PM		
		Anions	by EPA	300.0/9056	4				Analyst: KL	
Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec	Rec Limits	RPD %	RPD Limit %	Notes	
Blank (2212059-BLK1)							Prepared: 0	3/16/22 A	nalyzed: 03/18/22	
Chloride	ND	20.0								
LCS (2212059-BS1)							Prepared: 0	3/16/22 A	nalyzed: 03/18/22	
Chloride	257	20.0	250		103	90-110				
Matrix Spike (2212059-MS1)				Source:	E203085-	01	Prepared: 0	3/16/22 A	nalyzed: 03/18/22	
Chloride	282	20.0	250	25.4	103	80-120				
Matrix Spike Dup (2212059-MSD1)				Source:	E203085-	01	Prepared: 0	3/16/22 A	nalyzed: 03/18/22	

250

20.0

80-120

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

Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
201 S Halagueno St.	Project Number:	01058-0007	Reported:
Carlsbad NM, 88220	Project Manager:	Ashley Maxwell	04/11/22 15:23

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

RPD Relative Percent Difference

DNI Did Not Ignite

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

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



Released to	
d to	Project
Imaging:	
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3	Project
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5	Addres
00	City, St
5/20/2022	Phone:
22	Email:

Chain of Custody

Page 1 of 2

Received by OCD: 5/2/2022 2:29:52 PM

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Time Sampled	Date Sampled	Matrix	No Containers	Sample ID			Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride	4	BGDOC	BGDOC.			Rer	marks
0910	319	5011	1	BHOOL	20-1	0 ''	1								X					
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0943	319	5011	1	BH02	20-	6"	3								Х					
0950	3/9	5011	1	BH 02	ا هـ	5'	4								>					
1009	3/9	5011	1	BH03			5								>					
1018	3/9	5011	1	BH 03	3210	0-12"	0								X					
1032	3/9	5011	1	BH 04			7								\rangle					
1040	3/9	5011	1	BH 00 4	10 (0"	8)					
A STANK	RSLSV.	SOM	DE	XBADA	Co &	MANA	DOW	WX	10	X	A	1	V	M)	S)	M	M	M	V:85	
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1051	3/9	5011		RHOS											· V			<u> </u>	pen	JIC! H
Addition	nal Instru	ctions:																	4/10	bach
(fie'd samp	ler), attest to t	the validity and	authenticity of	this sample. I am awar	re that tamperin	g with or intentionarly mislabelling the sam	ple location, date or							in ice at a					day they are subsequent d	sampled or ays
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1	ned by: (Sig	N		111/1	:05	Fre John	- 3.11.	22	_	30	5	Rec	eivec	on ic	e:	91	N			
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Religionis	hed by Sig	gnature)	Date			Received by: (Signature)	Date		Time			AVC	i Ten	np °C_	4					
		ed salid to	- Sludge A -	Aqueous, O - Other			Contain	er Typ	e: g -	glass	, p - p	noly/p	lastic	. ag - a	mber	glass, v	- VO	A		
Eamal & M.	atrix: 5 - 501.	. 50 · 50HQ, 38	- Siduge, A.	inquecous, o other	_	ments are made. Hazardous samples										14	1	Falsonia	DOMESTIC STREET	CONTRACTOR OF STREET

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only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

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Project Information

Chain of Custody

Page	2	of 2
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Received by OCD: 5/2/2022 2:29:52 PM

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Report d	ue by:					WO# 20 996 758		yd C	yılı	3021	260	010	300.0		1000	NN	×		TX OK	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID			Lab Number	ORO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC - NM	BGDOC-1		Ren	arks
1100	319	5011	1	BGa	0-9	311	10						X				ш			
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Addition	al Instru	tions:																		
1				this sample. Far		ampering with or intentionally mislabelling the sam	ole location, date or					200000000000000000000000000000000000000							ne day they are sa	(All Control of the C
AND DESCRIPTION OF THE PERSON	gd by: (Sign		Date				Date		Time			-				1:	h Hs	e Only		
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Relinquist	ed by: (Sign	ature)	Date		Time	Received by: (Signature)	Date		Time			AVG	Ten	np °C	4					
Sample Ma	trix: S - Soil.	id - Solid, Sg -	Sludge, A - /	Aqueous, O - Ot	her		Containe	r Type	e: g -	glass,	p - p			_		r glas	S, V -	VOA		
						rrangements are made Hazardous samples v	iil be returned to o	lient or	dispos	sed of	at the	dient e	xpense	e The	report	for the	analy	sis of the aid	ove samples	s applicable

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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.

Page 75 of 77

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:	Souder Miller Associates - Carlsbad	Date Received:	03/14/22	08:40		Work Order ID:	E203085
Phone:	(505) 325-7535	Date Logged In:	03/14/22	10:35		Logged In By:	Caitlin Christian
Email:	ashley.maxwell@soudermiller.com	Due Date:	03/18/22	17:00 (4 day TAT)			
Chain of	Custody (COC)						
	ne sample ID match the COC?		Yes				
	ne number of samples per sampling site location mat	ch the COC	Yes				
	amples dropped off by client or carrier?		Yes	Carrier: <u>C</u>	<u>arrier</u>		
	e COC complete, i.e., signatures, dates/times, reques	sted analyses?	Yes				
5. Were al	Il samples received within holding time? Note: Analysis, such as pH which should be conducted in i.e, 15 minute hold time, are not included in this disucssion.	•	Yes			Comments	s/Resolution
Sample T	urn 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				
12. Was the	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
Sample C		· • • · · · · · <u>-</u>	_				
	queous VOC samples present?		No				
	OC samples collected in VOA Vials?		NA				
	head space less than 6-8 mm (pea sized or less)?		NA				
	trip blank (TB) included for VOC analyses?		NA				
	on-VOC samples collected in the correct containers')	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lab	· · ·	iors conceicu.	103				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	mation.	Yes				
	ate/Time Collected?		Yes	L			
C	ollectors name?		No				
Sample P	<u>reservation</u>						
21. Does	the COC or field labels indicate the samples were pr	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	netals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multipha	se?	No				
27. If yes,	, does the COC specify which phase(s) is to be analy	zed?	NA				
	act Laboratory						
-	amples required to get sent to a subcontract laborato	mu?	No				
	subcontract laboratory specified by the client and if	-	NA	Subcontract Lab	· no		
		1 30 WHO:	IVA	Subcontract Lab	. IIa		
Client In	<u>istruction</u>						
L							

Date

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

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 103335

CONDITIONS

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	103335
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	5/20/2022