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	nAPP2201155587
District RP	
Facility ID	
Application ID	

# **Release Notification**

## **Responsible Party**

Responsible Party Devon Energy Production Company				OGRID 6137	
Contact Name Dale Woodall				Contact Telephone 575-748-1838	
Contact email Dale.Woodall@dvn.com				Incident # (assigned by OCD)	
Contact mailing ac	ldress 6488 Seven Riv	ers Hwy Artesia,	NM 88210	-1	
Latitude 32.03337	2		Lon	ase Source	
		(NAD 83 in	decimal degrees	to 5 decimal places)	
Site Name Cobber	21 CTB 2		Sit	е Туре	
Date Release Disco	overed		AP	I# (if applicable)	
Unit Letter Sec	ction Township	Range		County	7
C 21	26S	34E	LEA		
Crude Oil	Volume Relea	all that apply and atta	ach calculations of	r specific justification for the Volume Reco	
Produced Water					
		ration of dissolved er >10,000 mg/l?	d chloride in t	he Yes N	No
Condensate	Volume Relea	sed (bbls)		Volume Reco	overed (bbls)
☐ Natural Gas	Volume Relea	sed (Mcf)		Volume Reco	overed (Mcf)
Other (describe	e) Volume/Weigl	ht Released (provi	ide units)	Volume/Weig	ght Recovered (provide units)
Cause of Release	Water transfer pump do	eveloped leak.			

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Incident ID	nAPP2201155587
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? Spill 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)? rtal by Dale Woodall on 1/11/2022
8	
	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 rele	ease has been stopped.
The impacted area ha	s been secured to protect human health and the environment.
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑All free liquids and rec	coverable materials have been removed and managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain why:
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation 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.
regulations all operators are public health or the environr failed to adequately investig	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. 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
Printed Name:	Title:
Signature:	Date:
email:	Telephone:
OCD Only	
Received by:	Date:

	Page 3 of	77
Incident ID	nAPP2201155587	
District RP		
Facility ID		
Application ID		

### **Site Assessment/Characterization**

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<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 <b>not</b> on an exploration, development, production, or storage site?	☐ Yes ⊠ No	
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil	
Characterization Report Checklist: Each of the following items must be included in the report.		
<ul> <li>Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.</li> <li>Field data</li> <li>Data table of soil contaminant concentration data</li> <li>Depth to water determination</li> <li>Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release</li> </ul>		
Boring or excavation logs		

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

Photographs including date and GIS information

☐ Laboratory data including chain of custody

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I	ncident ID	nAPP2201155587	
Ι	District RP		
I	Facility ID		
	Application ID		

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Incident ID	nAPP2201155587	
District RP		
Facility ID		
Application ID		

# **Remediation Plan**

Remediation Plan Checklist: Each of the following items must b	e included in the plan.
<ul> <li>□ Detailed description of proposed remediation technique</li> <li>□ Scaled sitemap with GPS coordinates showing delineation poin</li> <li>□ Estimated volume of material to be remediated</li> <li>□ Closure criteria is to Table 1 specifications subject to 19.15.29.</li> <li>□ Proposed schedule for remediation (note if remediation plan times)</li> </ul>	12(C)(4) NMAC
<u>Deferral Requests Only</u> : Each of the following items must be con	nfirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	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:

Incident ID nAPP2201155587 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 it	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ 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 should their operations have failed to adequately investigate and renhuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regula restore, reclaim, and re-vegetate the impacted surface area to the confaccordance with 19.15.29.13 NMAC including notification to the OPrinted Name: Dale Woodall  Signature: Dale Woodall	tions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.  Title: Environmental Professional  Date: 5/2/2022
email: dale.woodall@dvn.com	Telephone: <u>575-748-1838</u>
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	NAPP211134	7695 and NAPP	2201155587	
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 2:24:47 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)	<50	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 (19.15.29.12.B(4) and 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 yes or no			if yes	s, 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, institution or church?	No	000	100		30	10
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 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
5/104	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

<sup>&</sup>quot;-" = Not Analyzed BG: Background sample

	Comple	Depth of	Metho	d 8021B	Method 8015D				Method 300.0
Sample ID	Sample 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	NMOCD Closure Criteria			10	100			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

<sup>&</sup>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	Responsible Party OGRID		OGRID				
Contact Nam	Contact Name Contact T			Contact To	elephone		
Contact emai	Contact email Inciden			Incident #	# (assigned by OCD)		
Contact mail:	ing address						
			Location	of Release S	ource		
Latitude				Longitude			
			(NAD 83 in de	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 Gas Volume Released (Mcf)			Volume Recovered (Mcf)				
Other (describe) Volume/Weight Released (provide units)		e units)	Volume/Weight Recovered (provide units)				
Cause of Rele	ease						

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Incident ID	NAPP2111347695
District RP	
Facility ID	
Application ID	

Was this a major	If YES, for what reason(s) does the respo	nsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If YES, was immediate no	otice given to the OCD? By whom? To w	nom? When and by what means (phone, email, etc)?
	Initial R	esponse
The responsible p	party must undertake the following actions immediate	ly unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
l	s been secured to protect human health and	the environment.
_ `	•	likes, absorbent pads, or other containment devices.
☐ All free liquids and re	ecoverable materials have been removed an	d 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 i	emediation immediately after discovery of a release. If remediation
		efforts have been successfully completed or if the release occurred blease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and
public health or the environm	nent. The acceptance of a C-141 report by the G	fications and perform corrective actions for releases which may endanger DCD does not relieve the operator of liability should their operations have
		eat to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name:		Title:
Signature: Kendra	DeHoyos	Date:
		Telephone:
cinaii.		Гетерионе.
OCD O-1-		
OCD Only	VI	5/0/2021
Received by: Ramona P	Marcus	Date:

### 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				
Con	taminated S	Soil measurement			
Area (squa	re feet)	Depth(inches)			
2701	18	0.400			
Cubic Feet of S	oil Impacted	900.600			
Barrels of Soi	l Impacted	<u>160.53</u>			
Soil T	уре	Clay/Sand			
Barrels of Oi 100% Sat		24.08			
Saturation	Fluid <sub>I</sub>	present when squeezed			
Estimated Ba Relea		12.04			
	Free Stand	ing Fluid Only			
Area (squ		Depth(inches)			
Standin	g fluid	11.141			
Total fluid	ds 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 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

Incident ID	
District RP	
Facility ID	
Application ID	

# **Release Notification**

### **Responsible Party**

Responsible	Party			OGRID		
Contact Nam	ie			Contact To	elephone	
Contact emai	i1			Incident #	(assigned by OCD)	
Contact mail:	ing address			-		
			Location	of Release S	ource	
Latitude				Longitude		
			(NAD 83 in de	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		(s) Released (Select al Volume Release		calculations or specific	Volume Reco	volumes provided below) vered (bbls)
Produced	Water	Volume Release	` '		Volume Reco	· · ·
			ion of total dissol	ved solids (TDS)	Yes N	,
		in the produced	water >10,000 mg			
Condensa		Volume Release			Volume Reco	
Natural G	as	Volume Release	d (Mcf)		Volume Reco	vered (Mcf)
Other (des	scribe)	Volume/Weight	Released (provide	e units)	Volume/Weig	tht Recovered (provide units)
Cause of Rele	ease					

Received by OCD: 5/2/2022 224247 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	If YES, for what reason(s) does the respo	nsible party consider this a major release?
19.15.29.7(A) NMAC?		
☐ Yes ☐ No		
If VES, was immediate n	otice given to the OCD? By whom? To w	nom? When and by what means (phone, email, etc)?
II 1123, was illillediate lie	once given to the OCD: By whom: To wi	ioni: when and by what means (phone, eman, etc):
	Initial R	esponse
The responsible p	party must undertake the following actions immediate	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☐ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	ive been contained via the use of berms or o	likes, absorbent pads, or other containment devices.
	ecoverable materials have been removed an	
If all the actions described	d above have <u>not</u> been undertaken, explain	why:
D 1015200D (4) NIM	(A C d	The Control of the Co
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 blease attach all information needed for closure evaluation.
		best of my knowledge and understand that pursuant to OCD rules and
public health or the environr	ment. The acceptance of a C-141 report by the C	fications and perform corrective actions for releases which may endanger OCD 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: Kendra	DeHoyos	Date:
		Telephone:
		1
OCD Only		
Received by: Ramona N	Marcus	Date: 1/25/2022
Received by:		Date:

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

1.000.000		
<u>Spi</u>	II Volume(E	3bls) Calculator
Inj	puts in blue	, Outputs in red
Cor	ntaminated S	Soil measurement
Area (squa	are feet)	Depth(inches)
<u>3220.</u>	<u>479</u>	0.500
Cubic Feet of S	oil Impacted	<u>134.187</u>
Barrels of Soi	I Impacted	23.92
Soil T	ype	Clay/Sand
Barrels of Oi 100% Sat		3.59
Saturation	Fluid pre	sent with shovel/backhoe
Estimated Ba Relea		3.59
	Free Stand	ing Fluid Only
Area (squa	are feet)	Depth(inches)
<u>1282.</u>	<u>653</u>	<u>0.250</u>
Standing	g fluid	4.763
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 water right file.)

(R=POD has been replaced, O=orphaned,

C=the file is closed)

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

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

3 3 3 15 26S 34E

Range: 34E

(In feet)

Depth Depth Water

**POD** 

Sub-Code basin County 64 16 4 Sec Tws Rng

Township: 26S

644920

3545643

**Well Water Column** 55

Average Depth to Water:

Minimum Depth:

Maximum Depth:

**Record Count: 1** 

**POD Number** 

C 04583 POD1

**PLSS Search:** 

Section(s): 15, 16, 17, 20,

21, 22, 27, 28,

29

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

# 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

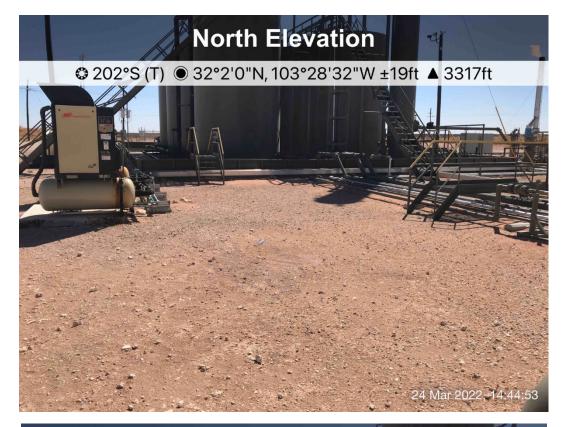
อริกส	:		ASMA	Field Screening	ening			
LOCATION NAME: DRUGN COLOBER; CLOSUYE SAMPLING	1r., Clos	sures	sumpling	Date: $3 \mid 2$	3/24/22			
Sample Name:	Collection Time:	EC (mS)	Temp (°C)	PID Reading /PF	Soil Color	Primary Soil Type	Moisture Level	Other Remarks/Notes:
composite CBCS & 6"	1430	69.0	21.0	9.8 9	Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	PIDFORINGUICAS SAMPLES: M=1.2 SW=1.0 NE=0.3 NW=1.3 SE=0.2
CBSO1 0 6"	1504	0.26	19.3		Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Ciay	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	
CBS030 6"	1528	<del>1</del> 1.0	h.8		Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
CBSQ4 2 6"	1536	60.0	18.5			Gravel Rock Sand Silt Clay	Dry Moist Wet	
CBS OS & 6"	1545	90.0	19.4		Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
. 9 Cosas	1555	9.0	18.6		Light Dark Tan Brown Gray Olive Yetlow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
7:7 7707/7					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
S: QOO AG					Light Dark Tan Brown Gray Olive Yellow Red	Gravel Rock Sand Silt Clay	Dry Moist Wet	
madiasaw								

77 to 28 og pd

Received by OCD: 5/2/2022 2:24:47 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** 

Sample Custody Officer Office: 505-632-1881

labadmin@envirotech-inc.com

Field Offices:

**Southern New Mexico Area** Lynn Jarboe

Technical Representative/Client Services

Office: 505-421-LABS(5227)

Cell: 505-320-4759

ljarboe@envirotech-inc.com

Rayny Hagan Technical Representative

West Texas Midland/Odessa Area

Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

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## **Sample Summary**

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

Client Sample ID	Lab Sample ID Ma	trix Sampled	Received	Container
CBCS @ 6"	E203174-01A So	oil 03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 01	E203174-02A So	oil 03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 02	E203174-03A So	oil 03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 03	E203174-04A So	oil 03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 04	E203174-05A So	oil 03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 05	E203174-06A So	oil 03/24/22	03/28/22	Glass Jar, 4 oz.
CBS - 06	E203174-07A So	oil 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	Lillit	Dilution	Frepareu	Allalyzeu	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

	ъ .				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2214043
ND	0.0250	1	03/30/22	04/02/22	
ND	0.0250	1	03/30/22	04/02/22	
ND	0.0250	1	03/30/22	04/02/22	
ND	0.0250	1	03/30/22	04/02/22	
ND	0.0500	1	03/30/22	04/02/22	
ND	0.0250	1	03/30/22	04/02/22	
	102 %	70-130	03/30/22	04/02/22	
mg/kg	mg/kg	Ana	lyst: IY		Batch: 2214043
ND	20.0	1	03/30/22	04/02/22	
	92.9 %	70-130	03/30/22	04/02/22	
mg/kg	mg/kg	Ana	lyst: JL		Batch: 2214080
ND	25.0	1	04/01/22	04/05/22	
ND	50.0	1	04/01/22	04/05/22	
	118 %	50-200	04/01/22	04/05/22	
mg/kg	mg/kg	Ana	lyst: RAS		Batch: 2214056
26.4	20.0	1	03/31/22	04/04/22	
	mg/kg ND ND ND ND ND ND ND ND ND Mg/kg ND mg/kg	mg/kg         mg/kg           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0250           ND         0.0500           ND         0.0250           IO2 %         mg/kg           MD         20.0           92.9 %         mg/kg           ND         25.0           ND         50.0           I18 %         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           Mg/kg         mg/kg         Anal           ND         20.0         1           92.9 %         70-130         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           118 %         50-200           mg/kg         mg/kg         Anal	mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         03/30/22           ND         0.0250         1         03/30/22           ND         0.0250         1         03/30/22           ND         0.0250         1         03/30/22           ND         0.0500         1         03/30/22           ND         0.0250         1         03/30/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         03/30/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         04/01/22           ND         50.0         1         04/01/22           ND         50.0         1         04/01/22           mg/kg         mg/kg         Analyst: JL	mg/kg         mg/kg         Analyst: IY           ND         0.0250         1         03/30/22         04/02/22           ND         0.0500         1         03/30/22         04/02/22           ND         0.0250         1         03/30/22         04/02/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         03/30/22         04/02/22           mg/kg         mg/kg         Analyst: IY           ND         20.0         1         03/30/22         04/02/22           mg/kg         mg/kg         Analyst: JL           ND         25.0         1         04/01/22         04/05/22           ND         50.0         1         04/01/22         04/05/22           ND         50.0         1         04/01/22         04/05/22           mg/kg         mg/kg         Analyst: RAS         04/05/22



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

		1200174 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	
-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		93.1 %	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	
Dil 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	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

		E203174-00				
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		92.4 %	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		101 %	50-200	04/01/22	04/05/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	st: 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

		E203174-07				
Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	rst: 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	rst: 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	rst: 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	



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:	A	shley Maxwell				•	4/11/2022 2:56:34PN
		Volatile O	rganics	by EPA 802	1B				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 Ar	nalyzed: 04/01/22
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: 4-Bromochlorobenzene-PID	8.39		8.00		105	70-130			
LCS (2214043-BS1)							Prepared: 0	3/30/22 Ar	nalyzed: 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			
o,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 Ar	nalyzed: 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	
o,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	
	8.54		8.00						



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		hley Maxwel	1				4/11/2022 2:56:34PM
	Non	halogenated	Organics l	by EPA 80	15D - Gl	RO			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 A	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 A	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 A	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 201 S Halagueno St.		Project Name: Project Number:		obber 21 CTE 1058-0007	3 2				Reported:
Carlsbad NM, 88220		Project Manager:	: A	shley Maxwel	11				4/11/2022 2:56:34PM
		Anions	by EPA 3	300.0/9056 <i>E</i>	4				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	nalyzed: 04/02/22
Chloride	261	20.0	250		105	90-110			
Matrix Spike (2214056-MS1)				Source:	E203172-0	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:	E203172-0	01	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.



Project Inf	ormation						Chain of (	Custody							/	10		Page	L of
Client: 5	MA	er 2	I CTB	2	Atter	ntion: Peve	II To		lah !	WO#		Use O	nly Numi	per		AT 3D	E RCRA	PA Progra	SDWA
Project M Address:	anager:				Addr	Address: City, State, Zip			Job Number PE203174 01058-0007 Analysis and Nieth									Sta	
City, State Phone: Email: A Report du	shle	y M	nxw	eit	Emai		996758	3	DRO/ORO by 8015	GRO/DRO by 8015	8021	8260	300.0		- NM	ХГ		TX OK	
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID				Lab Number	10/01101	GRO/DE	BTEX by 8021	VOC by 8260 Metals 6010	Chloride		BGDOC - NM			Ren	narks
1430	3/4	seil		CB	696	6"									X	Contract Con-		perc	lient
1509			1		5-01			2				-			4			4/4	122
1512			1		-02			3							$\parallel$			d	Low
1528			1	CB5	-03			4				-			$\parallel$				
1976				C35	-04			0							#				
1549				007	-05			17							1			-	
1559	V	0	1	3	-06		1	T							1			- 6	*
	5	1				<									t				
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	nal Instru												30000						
time of soll	Ztion is consid	erec fraud and		this sample. Tam awa Is for legal action, Samp	ned by:	ng with or Intentionarily misi						recei			avş temp a	bove 3 but	less than 6 10 o	he day they are so a subsequent day	
Religiuist	ped by Isig	Matures /	UM Date	125/27 Time	aus	Received by (Signati	re//	Date /	1/20	Time	11/1	0	WELL !			lab U	se Only		

(field sampler), attest to the validity and authenticity of this sample. Ta time of apits/2tion is considered fraud and may be grounds for legal action	Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avgitemp above 0 bot less than 5 10 pc subsequent days.		
Relinquished by Signature Will Date 7/25/22	Time Received by (Signature)  Time Received by: (Signature)	Date 3/25/29 Time 3/25/29:40	lab Use Only  Received on ice:
Relinquished by: (Signature)	Time Received by: (Signature)	3/28/22 8:15	<u>T1                                    </u>
Sample Matrix: S - Soil, Sd - Soild, Sg - Sludge, A - Aqueous, O - C		Container Type: g - glass, p -	AVG Temp °C 4 poly/plastic, ag - amber glass, v - VOA

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_ Note. Samples are discarded 30 days after results are reported unless other arrangements are made. Hatardous 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: 5/2/2022 2:24:47 PM

Printed: 3/28/2022 12:06:08PM

#### **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.

Piene: (939) 1257-325  Both Longood Int 190 (2852) 214-90  Due Date: (940) 122 37:50 (4 day TXT)  Poet the sample ID match the COC?  2. Jobes the number of samples per sampling site location match the COC (200) 122 37:50 (4 day TXT)  News samples dopened of the yell-unit or carrier?  4. Was the COC complete, i.e., signatures, dates-times, requested analyses?  News analysis dopened of the yell-unit or carrier?  9. Were all samples received with the holing introce?  1. Does the COC indicates transfard TMT, or Expadited TAT?  1. But the COC indicates transfard TMT, or Expadited TAT?  1. But the sample received and the following introce?  1. Were all samples are severed with the following introce?  1. Were all samples are severed with the following introce?  1. Were all samples are severed with a following introce?  1. Were all samples are severed with a following introce?  1. Were all samples are severed with a following introce?  1. Were all samples are severed in inter, i.e., not broken?  1. Were a sample received in good conditions?  1. Are an approach processing in the received set in a few in required in good conditions?  1. Are a good conditions.  2. In the sample received in VDA Vials?  1. Are a good conditions.  2. In the following local stands of a min (pea sized or leas)?  1. And A good conditions.  2. In the following local stands of a min (pea sized or leas)?  1. Are good conditions.  2. In the conditions are received.  2. Are samples of conditions are received.  2. Are sam	Client:	Souder Miller Associates - Carlsbad	Date Received:	03/28/22	08:15	Work Order ID:	E203174
Chain of Custody (COC)  1. Does the sample 1D match the COC? 2. Does the number of samples per sampling site location match the COC yes 3. Were samples dopped of thy elicited to carrier? 4. Was the COC complete, i.e., signatures, dateschimes, requested analyses? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 6. Diet the COC indicate standard TAT, or Expedited TAT?  7. Was it a sample round Time (TAT) 6. Diet the COC indicate standard TAT, or Expedited TAT?  7. Was it a sample cooler received? 7. Was it a sample cooler received in good condition? 7. Was it as sample for received in good condition? 7. Was it as sample received in interest in the field, it is a sample received in it is discussion.  8. Effect in the sample received in it is discussion.  8. Effect in the sample received in it is discussion.  8. Effect in the sample received in it is discussion.  8. Effect in the sample received in it is discussion.  8. Effect in the sample received in it is discussion.  8. Are avone custody/security seals instact?  9. Was the sample received on it of If yes, the recorded temp is 4°C, i.e, 6°±2°C 9. Note of Templa preservation is not required. It small as sample temperature: 4°C 9. Note of Templa preservation is not required. It small as sample temperature: 4°C 9. Sample Constituer  13. If no visible ice, receord the temperature. Actual sample temperature: 4°C 9. Sample Constituer  15. Are VOC samples collected in the correct containers?  16. Is the head space less than 6-8 mm (pea sized or less)?  17. Was at rip blank (TB) included for VOC samples?  18. Are non-VOC samples collected in the correct containers?  19. Is the appropriate volume/weight or number of sample containers collected?  19. Note of the sample labele filled out with the minimum information:  19. Sample Times volume/weight or number of sample containers collected?  19. Note of the sample labele filled out with the minimum information or years of the sample were preserved?  19. Note of the sample l	Phone:	(505) 325-7535	Date Logged In:	03/25/22	14:40	Logged In By:	Alexa Michaels
1. Does the sample ID match the COC? 2. Does the number of sampling per sampling site location match the COC 3. Does the number of sampling sper sampling site location match the COC 3. Were samples dopped off by client or carrier? 4. Was the COC complete, i.e., signatures, datestimes, requested analyses? 5. Were all samples received within boding time? 5. Note: Analysis, such as pel which should be conducted in the field, i.e. 15 minutes bod time, are not included in this discussion.  5. Manule Liura Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yers, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals present? 11. If yes, were custody/security seals intered? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°4.2°C Note: Thermal preservation is not required. Actual sample temperature: 4°C 11. Are yet of the temperature. Actual sample temperature: 4°C 12. Sample Contrained for the temperature. Actual sample temperature: 4°C 13. Are VOC samples collected in VOA viale? 14. Are aquenus VOC samples collected in VOA viale? 15. Are VOC samples collected in the currect containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the currect containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information:  Sample IT preserved. 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(b) correctly preserved? 23. Les amplies, located in the currect containers? 24. Is lab filteration required and/or requested for dissolved metals?  No. Subcentract Laboratory. 25. No. Subcentract Laboratory. 26. No. Subcentract Laboratory. 27. If yes, does the COC specify which phas	Email:	ashley.maxwell@soudermiller.com	Due Date:	04/01/22	17:00 (4 day TAT)		
1. Does the sample ID match the COC? 2. Does the number of sampling per sampling site location match the COC 3. Does the number of sampling sper sampling site location match the COC 3. Were samples dopped off by client or carrier? 4. Was the COC complete, i.e., signatures, datestimes, requested analyses? 5. Were all samples received within boding time? 5. Note: Analysis, such as pel which should be conducted in the field, i.e. 15 minutes bod time, are not included in this discussion.  5. Manule Liura Around Time (TAT) 6. Did the COC indicate standard TAT, or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yers, was cooler received in good condition? 9. Was the sample(s) received intact, i.e., not broken? 10. Were custody/security seals present? 10. Were custody/security seals present? 11. If yes, were custody/security seals intered? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°4.2°C Note: Thermal preservation is not required. Actual sample temperature: 4°C 11. Are yet of the temperature. Actual sample temperature: 4°C 12. Sample Contrained for the temperature. Actual sample temperature: 4°C 13. Are VOC samples collected in VOA viale? 14. Are aquenus VOC samples collected in VOA viale? 15. Are VOC samples collected in the currect containers? 16. Is the head space less than 6-8 mm (pea sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 18. Are non-VOC samples collected in the currect containers? 19. Is the appropriate volume/weight or number of sample containers collected? 20. Were field sample labels filled out with the minimum information:  Sample IT preserved. 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(b) correctly preserved? 23. Les amplies, located in the currect containers? 24. Is lab filteration required and/or requested for dissolved metals?  No. Subcentract Laboratory. 25. No. Subcentract Laboratory. 26. No. Subcentract Laboratory. 27. If yes, does the COC specify which phas							
2. Does the number of samples per sampling site location match the COC 3. Were samples dopped off by client or carrier? 4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 5. Were all samples received within holding time? 5. Were all samples received within holding time? 6. Doit the COC indicate standard TAT; or Expedited TAT? 7. Doit the COC indicate standard TAT; or Expedited TAT? 7. Was a sample cooler received? 7. Was a sample cooler received? 8. If yes, was cooler received? 8. If yes, was cooler received? 9. Was the sample's received intop, i.e., not broken? 9. Was the sample's received intop, i.e., not broken? 10. Were custodly-security seals intact? 11. If yes, were custodly-security seals intact? 12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°22°C Note: Thermal preservation is not required, if samples are received will 15 minutes of sampling 13. If no visible ice, record the temperature. Actual sample temperature: 4°C 14. Are aqueous VOC samples present? 15. Are VOC samples collected in VOA Vials? 16. Is the head space less than 6.6 mm (pos sized or less)? 17. Was a trip blank (TB) included for VOC analyses? 19. Is the appropriate volume/weight or number of sample containers? 19. Us the appropriate volume/weight or number of sample containers? 19. Us were field sample labels filled out with the minimum information:  Sample Included for COC analyses? 20. Were field sample labels filled out with the minimum information:  Sample Included for requested for dissolved metals? 21. Does the COC or field labels indicate the samples were preserved? 22. Are sample(s) correctly preserved? 23. Is lab filteration required and/or requested for dissolved metals? 24. Is lab filteration required and/or requested for dissolved metals? 25. Consect the sample have more than one phase, i.e., multiphase? 26. No. 27. If yes, does the COC specify which phase(s) is to be analyzed? 28. Les amples sequired to get sent to a subcontract laboratory? 28. Are samples exquired to ge							
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Field Label  20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name?  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase? No  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory? No  No  Subcontract Lab: na	18. Are 1	non-VOC samples collected in the correct containers?		Yes			
20. Were field sample labels filled out with the minimum information: Sample ID? Date/Time Collected? Collectors name? No  Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? No  Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No Subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: na	19. Is the	appropriate volume/weight or number of sample contain	ers collected?	Yes			
Sample ID? Date/Time Collected? Collectors name? No  Sample Preservation 21. Does the COC or field labels indicate the samples were preserved? No 22. Are sample(s) correctly preserved? No Multiphase Sample Matrix 26. Does the sample have more than one phase, i.e., multiphase? No 27. If yes, does the COC specify which phase(s) is to be analyzed? No  Subcontract Laboratory 28. Are samples required to get sent to a subcontract laboratory? No No Subcontract Laboratory specified by the client and if so who? NA Subcontract Lab: na	Field La	ıbel_					
Date/Time Collected? Collectors name? No  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved? No  22. Are sample(s) correctly preserved? No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase? No  71. If yes, does the COC specify which phase(s) is to be analyzed? No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory? No  No  No  No  Subcontract Laboratory specified by the client and if so who? NA  Subcontract Lab: na	20. Were	e field sample labels filled out with the minimum info	mation:				
Collectors name?  Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  No  22. Are sample(s) correctly preserved?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  7. If yes, does the COC specify which phase(s) is to be analyzed?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  No  No  Subcontract Laboratory specified by the client and if so who?  No  No  Subcontract Lab: na		•		Yes			
Sample Preservation  21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  23. Is lab filteration required and/or requested for dissolved metals?  24. Is lab filteration required and/or requested for dissolved metals?  25. Does the sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  No  Subcontract Laboratory specified by the client and if so who?  No  Subcontract Lab: na				Yes			
21. Does the COC or field labels indicate the samples were preserved?  22. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  27. If yes, does the COC specify which phase(s) is to be analyzed?  No  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  29. Was a subcontract laboratory specified by the client and if so who?  No  No  Subcontract Lab: na				No			
22. Are sample(s) correctly preserved?  24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  27. If yes, does the COC specify which phase(s) is to be analyzed?  NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  29. Was a subcontract laboratory specified by the client and if so who?  NA  Subcontract Lab: na			10	27			
24. Is lab filteration required and/or requested for dissolved metals?  No  Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No  27. If yes, does the COC specify which phase(s) is to be analyzed?  NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  29. Was a subcontract laboratory specified by the client and if so who?  NA  Subcontract Lab: na			eserved?				
Multiphase Sample Matrix  26. Does the sample have more than one phase, i.e., multiphase?  No 27. If yes, does the COC specify which phase(s) is to be analyzed?  NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No 29. Was a subcontract laboratory specified by the client and if so who?  NA  Subcontract Lab: na		- · · · · · · · · · · · · · · · · · · ·	ata1a9				
26. Does the sample have more than one phase, i.e., multiphase?  No 27. If yes, does the COC specify which phase(s) is to be analyzed?  NA  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No 29. Was a subcontract laboratory specified by the client and if so who?  NA  Subcontract Lab: na			etais?	NO			
27. If yes, does the COC specify which phase(s) is to be analyzed?  Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  29. Was a subcontract laboratory specified by the client and if so who?  NA Subcontract Lab: na			_				
Subcontract Laboratory  28. Are samples required to get sent to a subcontract laboratory?  No  29. Was a subcontract laboratory specified by the client and if so who?  NA Subcontract Lab: na							
28. Are samples required to get sent to a subcontract laboratory?  No  29. Was a subcontract laboratory specified by the client and if so who?  NA Subcontract Lab: na	27. If ye	s, does the COC specify which phase(s) is to be analy	zed?	NA			
29. Was a subcontract laboratory specified by the client and if so who?  NA Subcontract Lab: na	Subcont	ract Laboratory					
Client Instruction					Subcontract Lab: na		
	Client I	<u>Instruction</u>					

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

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Cell: 775-287-1762

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## 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.
ВН03 @ 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

	E203003-01				
Result	Reporting Limit	Dilution	n Prepared	Analyzed	Notes
mg/kg	mg/kg	An	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	An	alyst: 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	An	alyst: 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	An	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         And           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           ND         20.0         1           100 %         70-130           mg/kg         mg/kg         And           ND         25.0         1           ND         50.0         1           98.1 %         50-200           mg/kg         mg/kg         And	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         0.0500         1         03/16/22           ND         0.0250         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           MD         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         0.0250         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           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	lyst: 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	Dilutio	n Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	An	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		93.1 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	An	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		100 %	70-130	03/16/22	03/17/22	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	An	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		98.9 %	50-200	03/16/22	03/18/22	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	An	alyst: 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	vst: 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	st: 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	vst: 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	st: 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	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		93.8 %	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		99.3 %	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		95.2 %	50-200	03/16/22	03/18/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Aı	nalyst: KL		Batch: 2212059		
Chloride	41.8	20.0	1	03/16/22	03/18/22			



# **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	Prepared	Analyzed	Notes		
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analy	st: 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		93.2 %	70-130	03/16/22	03/17/22			
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analy	st: RKS		Batch: 2212046		
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/16/22	03/17/22			
Surrogate: 1-Chloro-4-fluorobenzene-FID		99.0 %	70-130	03/16/22	03/17/22			
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analy	/st: 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		91.0 %	50-200	03/16/22	03/18/22			
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analy	/st: KL		Batch: 2212059		
Chloride	27.8	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

### 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

	E203063-06				
Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
mg/kg	mg/kg	Anal	yst: 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	
	92.8 %	70-130	03/16/22	03/17/22	
mg/kg	mg/kg	Anal	yst: RKS		Batch: 2212046
ND	20.0	1	03/16/22	03/17/22	
	99.5 %	70-130	03/16/22	03/17/22	
mg/kg	mg/kg	Anal	yst: JL		Batch: 2212053
ND	25.0	1	03/16/22	03/18/22	
ND	50.0	1	03/16/22	03/18/22	
	101 %	50-200	03/16/22	03/18/22	
mg/kg	mg/kg	Anal	yst: KL		Batch: 2212059
ND	20.0	1	03/16/22	03/19/22	
	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           99.5 %         mg/kg           mg/kg         mg/kg           ND         25.0           ND         50.0           101 %         mg/kg           mg/kg         mg/kg	Reporting           Result         Limit         Dilution           mg/kg         mg/kg         Anal           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0250         1           ND         0.0500         1           ND         0.0250         1           MD         0.0250         1           MD         20.0250         1           MD         20.0         1           99.5 %         70-130           mg/kg         mg/kg         Anal           ND         25.0         1           ND         50.0         1           101 %         50-200           mg/kg         mg/kg         Anal	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	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           MD         0.0250         1         03/16/22         03/17/22           MD         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         03/18/22           ND         50.0         1         03/16/22         03/18/22           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

BG @ 0 - 8"
E203085-10

		E203003-10				
Analyte	Result	Reporting 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		93.9 %	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		99.3 %	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		96.8 %	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	



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				
		Reporting				
Analyte	Result	Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Ana	ılyst: 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	
o,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	Ana	ılyst: 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	ılyst: 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	Ana	ılyst: 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

0.0500

0.0250

15.0

8.00

ND

91.7

93.8

63-131

70-130

3.33

20

13.8

7.50



p,m-Xylene

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 Maxwel	1			4	4/11/2022 3:23:47PM
	Non	halogenated	Organics l	by EPA 80	15D - GI	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 An	alyzed: 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 An	alyzed: 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:	E203085-0	01	Prepared: 0	3/16/22 An	alyzed: 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:	E203085-0	01	Prepared: 0	3/16/22 An	alyzed: 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:
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	shley Maxwel	1				4/11/2022 3:23:47PM
	Nonha	logenated Or	ganics by	EPA 8015D	- DRO	/ORO			Analyst: JL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	Notes
Blank (2212053-BLK1)							Prepared: 0	3/16/22 A	nalyzed: 03/17/22
Diesel Range Organics (C10-C28)	ND	25.0							
Dil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		92.9	50-200			
LCS (2212053-BS1)							Prepared: 0	3/16/22 A	nalyzed: 03/17/22
Diesel 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
Diesel Range Organics (C10-C28)	487	25.0	500	ND	97.3	38-132			
Surrogate: 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
Diesel Range Organics (C10-C28)	498	25.0	500	ND	99.7	38-132	2.40	20	
Surrogate: n-Nonane	37.8		50.0		75.6	50-200			



Chloride

#### **QC Summary Data**

Souder Miller Associates - Carlsbad 201 S Halagueno St.		Project Name: Project Number:		0evon Cobber 2 1058-0007	21 CTB				Reported:
Carlsbad NM, 88220		Project Manager		shley Maxwel	1				4/11/2022 3:23:47PM
		Anions	by EPA	300.0/9056	1				Analyst: KL
Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	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

25.4

105

80-120

1.82

20

#### QC Summary Report Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.



#### **Definitions and Notes**

ſ	Souder Miller Associates - Carlsbad	Project Name:	Devon Cobber 21 CTB	
l	201 S Halagueno St.	Project Number:	01058-0007	Reported:
l	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.



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Chain of Custody

Page 1 of 2

Received by OCD: 5/2/2022 2:24:47 PM

roject Inf	formation					Citati	n Custody							STB	50	dol	1			
	- A A					Bill To		T	M	La	b Use	Only	,		TA			EP	A Progra	m
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Additio	nal Instru	ctions:																	11/10	hat
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Ifie'd sam	pler) attest to	the validity and	authenticity c	of this sample. I a	m aware that tam	pering with or intentiopally mislabelling the samp	le location, date o					Samples	nacked in a	rermal pres re at an ava	temp at	must be bave 3 bu	received to a less than	n si Col	c subsequent da	rys
time of soil	le/ction is consi	dered fraud and	may be groun	ds for legal action	n, Sampled by:	1000				_			***************************************			-	Townson or the			
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200000000000000000000000000000000000000	C	sd solid c	- Sludge A -	Aqueous, 0 - C	ther		Contail	ICI IY	he. B.	Bidss	, H .	אואורי	dout, d	b ann	P. P.			**************************************		

Note: Samples are discarded 30 da/s after results are reported unless other arrangements are made. Hatardous 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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Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other



Project Information

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Chain of Custody

Page 2 of 2

Received by OCD: 5/2/2022 2:24:47 PM

STD5day

lient: 5	AM	0 1 1 -	c 01	-A		Bill To					Lab Use Only Lab WO#   Job Number   PE203085   NASE-0007								PA Program	
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Report du	ie by:				IN	10#20996758		RO b	RO b	7 80%	826	6010	e 300			N.	×			
Time Sampled	Date Sampled	Matrix	No Containers	Sample ID			Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.			BGDOC - NM	BGDOC.		Ren	narks
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1105	3/9	Soil	)	BG	21-2		11						X							
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Addition	al Instruc	tions:																		
,				this sample. La		ring with or intentionally mislabelling the sample I	ocation, date or					100000000000000000000000000000000000000							ne day they are sa n subsequent day	
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#### **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 mate	ch the COC	Yes				
3. Were s	amples dropped off by client or carrier?		Yes	Carrier: C	Carrier		
4. Was th	e COC complete, i.e., signatures, dates/times, reques	ted analyses?	Yes		<del></del>		
5. Were a	Il 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					Comments	s/Resolution
	<u> [urn Around Time (TAT)</u>						
6. Did the	e COC indicate standard TAT, or Expedited TAT?		Yes				
Sample (							
	sample cooler received?		Yes				
8. If yes,	was cooler received in good condition?		Yes				
9. Was th	e sample(s) received intact, i.e., not broken?		Yes				
10. Were	custody/security seals present?		No				
11. If yes	, were custody/security seals intact?		NA				
	e sample received on ice? If yes, the recorded temp is 4°C, Note: Thermal preservation is not required, if samples are minutes of sampling visible ice, record the temperature. Actual sample	e received w/i 15	Yes				
	•	temperature. 4	<u>c</u>				
	Container 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?	1	Yes				
	appropriate volume/weight or number of sample contain		Yes				
Field Lal		iers conecteur	165				
	field sample labels filled out with the minimum info	rmation:					
	ample ID?	imation.	Yes				
	pate/Time Collected?		Yes				
C	ollectors name?		No				
Sample I	Preservation_						
21. Does	the COC or field labels indicate the samples were pre-	eserved?	No				
22. Are sa	ample(s) correctly preserved?		NA				
24. Is lab	filteration required and/or requested for dissolved m	etals?	No				
Multipha	se Sample Matrix						
26. Does	the sample have more than one phase, i.e., multiphas	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	<b>v</b> ?	No				
	subcontract laboratory specified by the client and if	~	NA	Subcontract Lab	n na		
	istruction			Successifiant Luc	,. nu		
Chent II	<u>isti uction</u>						

Date

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

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

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 103330

#### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
	Action Number:
Oklahoma City, OK 73102	103330
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

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