Fondation tara océan explore and share — LOG-SAMPLES_W-LAB-142-1 — tara EUROPA — C1

LOG_SAMPLES_ YYYY: 2023 MM: 10 DD: 01 _STATION- #: 083 _W-LAB-142-1

OPERATOR(S): Julie Poulain

Depth Replicate	S320 Cryo-5mL LN2 #1	S023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	S<02 Cryo-5mL FRG +4°C	Filtration Volume (Litres)
Z00 R01 m	112498801	112498802	[ ] 20L [ ] 50L 5 L	[ ] 15' [ ] 60' 15 min.	112498803	[ ] 10L [ ] 20L L
Z00 R02 m	112498804	112498805	[ ] 20L [ ] 50L 5 L	[ ] 15' [ ] 60' 15 min.	112498806	[ ] 10L [ ] 20L L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60' min.	###-Z02 S<02	[ ] 10L [ ] 20L L
Z02 R02 m	###-Z02 S320-2	###-Z02 S023-2	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60' min.	###-Z02 S<02-2	[ ] 10L [ ] 20L L

Depth Replicate	P320 Cryo-5mL LN2 #1	P023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	< 0.2 µm
Z00 m	112498807	112498808	[ ] 20L [ ] 50L 6 L	[ ] 15' [ ] 60' 60 min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2
Z02 m	###-Z02 P320	###-Z02 P023	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60' min.	

Depth Replicate	S320-L 15mL falcon -20°C + 10 mL Nucleoprotect	S023-L 15mL falcon -20°C + 10 mL Nucleoprotect	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00 m	112555384	112555385	[ ] 20L [ ] 50L 16 L	[ ] 15' [ ] 60 60 min.
Z02 m	###-Z02 S320-L	###-Z02 S023-L	[ ] 20L [ ] 50L L	[ ] 15' [ ] 60 min.

→

Depth Replicate	COMMENTS S###
Z00 R01 m	
Z00 R02 m	
Z02 R01 m	
Z02 R02 m	

Depth	COMMENTS P###
Z00 m	Stop before 60 min because saturation
Z02 m	

Depth	COMMENTS S###L
Z00 m	2 filters 30' -> 1er 30' -> 2eme in the same tube < S320_L S023_L
Z02 m	

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LOG-SAMPLES_DECK-BGC

tara EUROPA

D1/B1

LOG_SAMPLES_ YYYY: 2023 MM: 10 DD: 01 _STATION- #: 0 #: 8 #: 3 _DECK-BGC

OPERATOR(S): MH

Depth		TOC Vial-40mL FRG +4°C	TOC Vial-40mL FRG +4°C	TOC Vial-40mL FRG +4°C		DICTA Bottle-500mL RT >10°C	SAL Bottle-125mL RT >10°C
Z00	m	112555333	112555334	112555335		112555496	###-Z00 SAL
Z02	m	###-Z02 TOC-1	###-Z02 TOC-2	###-Z02 TOC-3		###-Z02 DICTA	###-Z02 SAL
			+ 150 µl HCl			+ 300 µl $HgCl_2$	

Depth		CDOM/FDOM Bottle-60mL FRG +4°C	~~DOC~~ TOC (cartouche) Vial-40mL FRG +4°C	NUT Bottle-60mL FRZ -20°C
Z00	R01 m	112555339	112555336	112555342
Z00	R02 m	112555340	112555337	112555343
Z00	R03 m	112555341	112555338	112555344
Z02	R01 m	###-Z02 DOM-1	###-Z02 DOC-1	###-Z02 NUT-1
Z02	R02 m	##-Z02 DOM-2	###-Z02 DOC-2	###-Z02 NUT-2
Z02	R03 m	##-Z02 DOM-3	###-Z02 DOC-3	###-Z02 NUT-3
			+ 150 µl HCl	

Depth	COMMENTS TOC	COMMENTS DICTA	COMMENTS SAL
Z00 m			
Z02 m			

Depth Replicate	COMMENTS CDOM/FDOM	COMMENTS DOC	COMMENTS NUT
Z00 R01 m	Used 1 STERIVEX	Used 1 STERIVEX	Used 1 STERIVEX
Z00 R02 m			
Z00 R03 m			
Z02 R01 m			
Z02 R02 m			
Z02 R03 m			

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LOG-SAMPLES_TARDIS-SCP

tara EUROPA

D2

LOG_SAMPLES_ YYYY 2023 MM 10 DD 01 _STATION- # 0 # 8 # 3 _TARDIS-SCP

OPERATOR(S) MH

Depth		PPL Falcon-50mL FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)	HLB Falcon-50mL FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00	R01 m	112555349	[ ] 1L [ ] 2L 1400 mL L	[ ] 60' [ ] 120' 10 min.	112555345	[ ] 1L [ ] 2L 1200 mL L	[ ] 60' [ ] 120' 10 min.
Z00	R02 m	112555350	[ ] 1L [ ] 2L 1400 mL L	[ ] 60' [ ] 120' 10 min.	112555346	[ ] 1L [ ] 2L 1200 mL L	[ ] 60' [ ] 120' 10 min.
Z00	R03 m	112555351	[ ] 1L [ ] 2L 1400 mL L	[ ] 60' [ ] 120' 10 min.	112555347	[ ] 1L [ ] 2L 1200 mL L	[ ] 60' [ ] 120' 10 min.
Z00	R04 m	112555352	[ ] 1L [ ] 2L 1400 mL L	[ ] 60' [ ] 120' 10 min.	112555348	[ ] 1L [ ] 2L 1200 mL L	[ ] 60' [ ] 120' 10 min.
Z02	R01 m	###-Z02 PPL-1	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-1	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02	R02 m	###-Z02 PPL-2	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-2	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02	R03 m	###-Z02 PPL-3	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-3	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.
Z02	R04 m	###-Z02 PPL-4	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.	###-Z02 HLB-4	[ ] 1L [ ] 2L L	[ ] 60' [ ] 120' min.

Depth Replicate		MB320 50mL-Falcon FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)	MB033 50mL-Falcon FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00	m	112555353	[ ] 16L 5 L	[ ] 30 ≈ 6 min.	112555354	[ ] 16L 5 L	[ ] 30 ≈6 min.
Z02	m	112555494	[ ] 16L 4 L	[ ] 30 ≈ 6 min.	112555495	[ ] 16L 4 L	[ ] 30 ≈ 6 min.

Depth		COMMENTS
Z00	R01 m	Water was full of DOC & TOC. Saturat° of the filters after 4-5 L. Then I exchanged the filters in order to have more water for the PPL - HCB protocols. However saturat- at 4 L once again. I called the second set of filter "replicate 2" even if they are not some real biological replicates (same water).
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	↳ ⚠ The first filter MB320 clog very fast and not any particle is coming to the second filter (totally white)
Z02	R01 m	
Z02	R02 m	↳ ⚠ Second set of filter (MB033) little coloration : when I removed MB320 some TOC went to the tubing = contamination
Z02	R03 m	
Z02	R04 m	HCB : I decided to clean properly the bottles and then lost some of the volume of the sample (only 1200 mL for the filtration)
		PPL = " only 1400 mL.

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LOG-SAMPLES_S-LAB-OTHER

tara EUROPA

E1

LOG_SAMPLES_ YYYY: 2023 MM: 10 DD: 01 _STATION- #: 083 _S-LAB-OTHER

OPERATOR(S): SC

Depth Replicates		HC Cryo-5mL LN2 #1	HC-G Cryo-5mL LN2 #1	CP-G Cryo-5mL LN2 #1	SG Cryo-5mL LN2 #1	FC-P Cryo-2mL LN2 #3	FC-G Cryo-2mL LN2 #3
Z00	R01 m	112498852	112498876	112498884	112498923	112498925	112498927
Z00	R02 m	112498853	112498877	112498885	112498924	112498926	112498928
Z00	R03 m	112498854	112498878	112498886	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00	R04 m	112498855	112498879	Glycerol prealiquot - RT			
Z00	R05 m	112498856	112498880		**DGAS* 12 mL exetainer +4°C**	**DGAS* 12 mL exetainer +4°C**	**DGAS* 12 mL exetainer +4°C**
Z00	R06 m	112498857	112498881		112498893	112498896	112498899
Z00	R07 m	112498858	112498882		112498894	112498897	112498900
Z00	R08 m	112498859	112498883		112498895	112498898	112498901
Prealiquot		No prealiquot	Glycerol prealiquot - RT		* + 100 µL $ZnCl^2$	* + 100 µL $ZnCl^2$	* + 100 µL $ZnCl^2$
Depth Replicate		**eDNA Watera capsule RT**	**Filtration Volume (Litres)**	**Filtration Duration (minutes)**	**+ 50 mL of buffer**	< 0.45 µm	
Z00	m	112555491	[ ] 30L 28 L	[ ] 30 55 min.	=> Collect filtrate for SS protocol onland : V<0.45		
Z02	m	###-Z02 eDNA	[ ] 30L L	[ ] 30 min.			

Depth Replicate		COMMENTS
Z00	R01 m	
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z00	R05 m	
Z00	R06 m	
Z00	R07 m	
Z00	R08 m	

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LOG-SAMPLES_S-LAB-DECKNET-5

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E2

LOG_SAMPLES_ YYYY: 2023 MM: 10 DD: 01 _STATION- #: 083 _S-LAB-DECKNET-5

OPERATOR(S): SC

Depth	DECKNET Volume (Litres)	Time start FILLING ##:##	Time end NET OUT ##:##	SG5-1* Cryo-5mL LN2	SG5-2* Cryo-5mL LN2
Z00 m	[ ] 100 L 60 L	12:33	13:36	112498946	112498947
Z02 m	[ ] 100 L L	:	:	### Z02 SG5-1	### Z02 SG5-2
				* Glycine-betaine pre-aliquot at 4°C	

Depth	FM5-1* Falcon-50mL FRG +4°C	FM5-2* Falcon-50mL FRG +4°C
Z00 m	112498948	112498949
Z02 m	### Z02 FM5-1	### Z02 FM5-2
	*pre-aliquoted 5 mL PFA/GLUT stored at -20°C	

Depth	COMMENTS SG5
Z00 R01 m	
Z00 R02 m	

Depth	COMMENTS FM5
Z00 R01 m	
Z00 R02 m	

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LOG-SAMPLES_S-LAB-25

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F1

LOG_SAMPLES_ YYYY: 2023 MM: 10 DD: 01 _STATION- #: 083 _S-LAB-25-1

OPERATOR(S): SZ

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00 m	1. 234 2. 231 3. 241		112555401	30 mL	N°: XX096 Weight: 36,161	
Z02 m	1. 2. 3.		TRIPLICATES ONCE A MONTH FOR HP	HP Cryo-2mL LN2 #2	Filtration Volume (mL)	Filtration Duration (minutes)
Depth	PA Petridish FRZ -20°C	Filtration Volume (mL)	Z00 R01 m	112498819	30 mL	[ ] 30' [ ] 40' max min
Z00 m	112555400	50 mL	Z00 R02 m	###-Z00 HP-2	mL	[ ] 30' [ ] 40' max min
Z02 m	###-Z02 PA	mL	Z00 R03 m	###-Z00 HP-3	mL	[ ] 30' [ ] 40' max min
Depth	PM Petridish FRZ -20°C	Filtration Volume (mL)	N° filtre + weight (mg)	FOI Petridish FRZ -20°C	Filtration Volume (mL)	N° filtre + weight (mg)
Z00 R01 m	112555402	30 mL	N°: XX196 Weight: 37,051	112555405	30 mL	N°: XX104 Weight: 37,283
Z00 R02 m	112555403	30 mL	N°: XX408 Weight: 36,925	112555406	30 mL	N°: XX032 Weight: 37,600
Z00 R03 m	112555404	30 mL	N°: XX118 Weight: 37,534	112555407	30 mL	N°: XX312 Weight: 36,906
Z02 R01 m	###-Z02 PM-1	mL	N°: Weight:	###-Z02 FOI-1	mL	N°: Weight:
Z02 R02 m	###-Z02 PM-2	mL	N°: Weight:	###-Z02 FOI-2	mL	N°: Weight:
Z02 R03 m	###-Z02 PM-3	mL	N°: Weight:	###-Z02 FOI-3	mL	N°: Weight:

Depth Replicate		COMMENTS PM	COMMENTS FOI
Z00	R01 m		
Z00	R02 m		
Z00	R03 m		
Z02	R01 m		
Z02	R02 m		
Z02	R03 m		

Depth Replicate		COMMENTS PA - HP
Z00	m	
Z02	m	

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LOG-SAMPLES_S-LAB-NET-20

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F2

LOG-SAMPLES_ YYYY: 2023 MM: 10 DD: 01 _STATION- #: 083 _S-LAB-NET-20

OPERATOR(S): SZ

	Net 20 µm			☒ Decknet [ ] Deployed at sea		
SAMPLE SPLITTING	**# of cod-ends** [ ] 1 [ ] 2	**Total volume** ☒ 1600 mL	**Aliquots vol.** [ ] 200 mL			
PROTOCOLS	**Barcode**	**Fraction of total volume**	**Aliquot Volume (mL)**	**Barcode**	**Fraction of total volume**	**Aliquot Volume (mL)**
S20 Cryo-5mL LN2 #1	112498820	[ ] 1/8	☒ 200 mL 30ml ☒ 15 mn	112498821	[ ] 1/8	[ ] 200 mL 30 mL ☒ 15 mn
FCAM20 Bottle-250mL LIVE	112555408	[ ] 1/8	[ ] 200 mL			
E20 Falcon-15mL + 15mL ETOH FRZ -20°C	112555409	☒ 1/8	[☒ 200 mL			
S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect	112555410	[ ] 1/8	[ ] 200 mL 30ml ☒ 15 mn			
MB20 Vial-4mL FRZ -20°C	112555411	☒ 1/8	☒ 200 mL			
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C	112555413	☒ 45 mL		112555414	☒ 45 mL	

	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
S20 Cryo-5mL LN2 #1		
FCAM20 Bottle-250mL LIVE		
E20 Falcon-15mL FRZ -20°C		
S20-L Falcon-5mL FRZ -20°C		
MB20 Vial-4mL FRZ -20°C		
FM20 Falcon-50mL FRG +4°C		

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LOG-SAMPLES_S-LAB-NET-200

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F3

LOG-SAMPLES_ YYYY: 2023 MM: 10 DD: 01 _STATION- #: 083 _S-LAB-NET-200

OPERATOR(S): SZ

Horizontal
WPII-200

SAMPLE SPLITTING — **COD-END #1**

PROTOCOLS	Barcode	Fraction of total volume	Aliquot Volume (mL)
F200 Bottle-250mL + borax/formol RT >10°C	112555415	[ ] 1 (100%)	[ ] 250 mL

SAMPLE SPLITTING — **COD-END #2** — Total volume [ ] 1600 mL — Aliquots vol. [ ] 200 mL

PROTOCOLS	Barcode	Fraction of total volume	Aliquot Volume (mL)	Barcode	Fraction of total volume	Aliquot Volume (mL)
S200 Cryo-5mL LN2 #1	112498822	[ ] 1/8 1/32	[ ] 200 mL 50ml [X] 15 mn	112498823	[ ] 1/8 1/32	[ ] 200 mL 50 ml [X] 15 mn
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo	112555412	[ ] 1/8 1/16	[ ] 200 mL 100 ml [X] 15 mn			

	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F200 Bottle-250mL RT >10°C		
SAMPLE SPLITTING		
PROTOCOLS		
S200 Cryo-5mL LN2 #1		
S200-L Falcon-5mL FRZ -20°C		

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LOG-SAMPLES_S-LAB-NET-680

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F4

LOG-SAMPLES_ YYYY: 2023 MM: 10 DD: 01 _STATION- #: 083 _S-LAB-NET-680

OPERATOR(S): SZ

	Régent 680					
SAMPLE SPLITTING	**NET TOW #1** Total volume [X] 1600 mL			**NET TOW #2** Total volume [ ] 1600 mL		
PROTOCOLS	**Barcode**	**Fraction of total volume**	**Bottle volume (mL)**	**Barcode**	**Fraction of total volume**	**Aliquot Volume (mL)**
F680 Bottle-250mL RT >10°C + Borax/Formol	112555416	[ ] 50 % [ ] 100 %	[ ] 250 mL			
F2000 Bottle-250mL RT >10°C + borax/formol	### EPI F2000	hand-picked #ind=	[ ] 250 mL			
S680-L Falcon-5mL FRZ -20°C + 5mL Nucleoprotect				112555417	[ ] 50 % [ ] 100 %	[ ] 50 mL [X] 15 mn

	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F680 Bottle-250mL RT >10°C		
F2000 Bottle-250mL RT >10°C		
S680-L Falcon-5mL FRZ -20°C		