Fondation tara océan explore and share

LOG-SAMPLES_MERCURY

tara EUROPA

B4

LOG_SAMPLES_ YYYY: 2024 MM: 06 DD: 06 _STATION- #: 159 _MERCURY

OPERATOR(S): DC

Depth	p.MeHg Glass fiber filter FRZ -20°C	Filter code	Filtration Volume (mL)	Filtration time (min)	f.MeHg 125-mL PETG bottle FRG +4°C	
Z00 m	###-Z00 p.MeHg				112586084	
Z02 m	###-Z02 p.MeHg				###-Z02 f.MeHg	
Depth	**p.THg Glass fiber filter FRZ -20°C**	**Filter code**	**Filtration Volume (mL)**	**Filtration time (min)**	**f.THg 40-mL glass bottle FRG +4°C**	
Z00 m	112524928	#34 127,4	570	13	###-Z00 f.THg	
Z02 m	###-Z02 p.THg				###-Z02 f.THg	
Depth	**uf.THg 40-mL glass bottle RT**					
Z00 m	###-Z00 uf.THg					
Z02 m	###-Z02 uf.THg					

Depth	COMMENTS	
ZOO m		

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LOG-SAMPLES_W-LAB-142-1

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C1

YYYY MM DD

LOG_SAMPLES_ 2024 06 04 _STATION- 159 _W-LAB-142-1

OPERATOR(S) OB

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	112524712	112524713	☐ 20L 9 L	☐ 15 min. 13 min.	112524714	☐ 20L ~7 L
Z00 R02 m	112524715	112524716	☐ 20L 10 L	☐ 15 min. 13 min.	112524717	☐ 20L 9 L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	☐ 20L L	☐ 15 min. min.	###-Z02 S<02	☐ 20L L
Z02 R02 m	###-Z02 S320-2	###-Z02 S023-2	☐ 20L L	☐ 15 min. min.	###-Z02 S<02-2	☐ 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	112524718	112524719	☐ 50L 10 L	☐ 60 min. 15 min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2
Z02 m	###-Z02 P320	###-Z02 P023	☐ 50L L	☐ 60 min. 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	112586016	112586017	☐ 50L 20 L	☐ 60 min. 25 min.
Z02 m	###-Z02 S320-L	###-Z02 S023-L	☐ 50L L	☐ 60 min. min.

Depth Replicate	COMMENTS S###
Z00 R01 m	S<0,2 Pb with the pump the tube broken and I don't know the volume filter.
Z00 R02 m	
Z02 R01 m	
Z02 R02 m	

Depth	COMMENTS P###
Z00 m	filter saturated
Z02 m	

Depth	COMMENTS S###L
Z00 m	1st filter 10 L → 10 min 2d filter 10 L → 15 min
Z02 m	

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LOG-SAMPLES_DECK-BGC

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D1/B1

LOG_SAMPLES_ YYYY: 2024 MM: 06 DD: 04 _STATION- #: 159 _DECK-BGC

OPERATOR(S): Léa

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	112586042	112586043	112586044		112586083	###-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 Vial-40mL FRG +4°C	NUT Bottle-60mL FRZ -20°C
Z00 R01 m	112524818	112586033	112524827
Z00 R02 m	112524819	112586034	112524828
Z00 R03 m	112524820	112586035	112524829
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	

→ I had to use 2 sterivex

On the second sterivex I sampled NUT-2
DOM-3

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LOG-SAMPLES_TARDIS-SCP

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D2

LOG_SAMPLES_ YYYY: 2024 MM: 06 DD: 04 _STATION- # # #: 1 5 3 _TARDIS-SCP

OPERATOR(S): Léa

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	112586059	☒ 2L ☐ L	☒ 120 min. ☐ min.	112586063	☒ 2L ☐ L	☒ 120 min. ☐ min.
Z00	R02 m	112586060	☒ 2L ☐ L	☒ 120 min. ☐ min.	112586064	☒ 2L ☐ L	☒ 120 min. ☐ min.
Z00	R03 m	112586061	☒ 2L ☐ L	☒ 120 min. ☐ min.	112586065	☒ 2L ☐ L	☒ 120 min. ☐ min.
Z00	R04 m	112586062	☒ 2L ☐ L	☒ 120 min. ☐ min.	112586066	☒ 2L ☐ L	☒ 120 min. ☐ min.
Z02	R01 m	###-Z02 PPL-1	☐ 2L ☐ L	☐ 120 min. ☐ min.	###-Z02 HLB-1	☐ 2L ☐ L	☐ 120 min. ☐ min.
Z02	R02 m	###-Z02 PPL-2	☐ 2L ☐ L	☐ 120 min. ☐ min.	###-Z02 HLB-2	☐ 2L ☐ L	☐ 120 min. ☐ min.
Z02	R03 m	###-Z02 PPL-3	☐ 2L ☐ L	☐ 120 min. ☐ min.	###-Z02 HLB-3	☐ 2L ☐ L	☐ 120 min. ☐ min.
Z02	R04 m	###-Z02 PPL-4	☐ 2L ☐ L	☐ 120 min. ☐ min.	###-Z02 HLB-4	☐ 2L ☐ L	☐ 120 min. ☐ 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	112586077	☒ 16L 18 L	☐ 30 min. 40 min.	112586078	☐ 16L 18 L	☐ 30 min. 40 min.
Z02	m	###-Z02 MB320	☐ 16L ☐ L	☐ 30 min. ☐ min.	###-Z02 MB033	☐ 16L ☐ L	☐ 30 min. ☐ min.

Depth		COMMENTS
Z00	R01	I'm sorry I did a little mistakes with the blanks. I interverted the PPL and HBL (so TQWpH2 → HBL) and (TQW → PPL). Only for 200mL before I noticed and changed it back to normal (TQW → HBL, TQWpH2 → PPL). So sorry !!
	m	
Z00	R02	
	m	
Z00	R03	
	m	
Z00	R04	
	m	
Z02	R01	
	m	
Z02	R02	
	m	
Z02	R03	
	m	
Z02	R04	
	m	

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-OTHER

tara EUROPA

E1/B2

LOG_SAMPLES_ YYYY: 2024 MM: 06 DD: 04 _STATION- #: 159 _S-LAB-OTHER

OPERATOR(S): FALCINI FEDERICO

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	112524958	112524966	112524974	112524977	112524979	112524981
Z00 R02 m	112524959	112524967	112524975	112524978	112524980	112524982
Z00 R03 m	112524960	112524968	112524976	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00 R04 m	112524961	112524969	Glycerol prealiquot - RT			
Z00 R05 m	112524962	112524970		**DGAS 12 mL exetainer +4°C**	**DGAS 12 mL exetainer +4°C**	**DGAS 12 mL exetainer +4°C**
Z00 R06 m	112524963	112524971		112524911	112524914	112524917
Z00 R07 m	112524964	112524972		112524912	112524915	112524918
Z00 R08 m	112524965	112524973		112524913	112524916	112524919
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	112524983	☐ 30L 20 L	● 30 min. min.		

Depth Replicates		CP-G Cryo-5mL LN2 #1	SG Cryo-5mL LN2 #1	FC-P Cryo-2mL LN2 #3	FC-G Cryo-2mL LN2 #3		
Z02	R01 m	###-Z02 CP-G-1	###-Z02 SG-1	###-Z02 FC-P-1	###-Z02 FC-G-1		
Z02	R02 m	###-Z02 CP-G-2	###-Z02 SG-2	###-Z02 FC-P-2	###-Z02 FC-G-2		
Z02	R03 m	###-Z02 CP-G-3	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C		
Prealiquot		Glycerol prealiquot - RT					
					DGAS 12 mL exetainer +4°C	**DGAS** 12 mL exetainer +4°C	**DGAS** 12 mL exetainer +4°C
					###-Z02 DGAS-1	###-Z02 DGAS-2	###-Z02 DGAS-3
					+ 100 µL $ZnCl^2$	+ 100 µL $ZnCl^2$	+ 100 µL $ZnCl^2$

COMMENTS

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LOG-SAMPLES_S-LAB-DECKNET-5

tara EUROPA

E2

LOG_SAMPLES_ YYYY: 2024 MM: 06 DD: 04 _STATION- #: 159 _S-LAB-DECKNET-5

OPERATOR(S): FALCINI FEDERICO

Depth	Volume filtered (Litres)
Z00	☐ 10 L
m	1,56 L
Z02	☐ 10 L
m	L

Depth	FM5-1* Falcon-15mL FRG +4°C	FM5-2* Falcon-15mL FRG +4°C	SG5-1* Cryo-5mL LN2	SG5-2* Cryo-5mL LN2
Z00 m	112525002	112525003	112525004	112525005
Z02 m	### Z02 FM5-1	### Z02 FM5-2	### Z02 SG5-1	### Z02 SG5-2

*pre-aliquoted 5 mL PFA/GLUT store at -20°C

* pre-aliquoted Glycine betaine store at 4°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_PPN2-PPN2exe

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E3

LOG_SAMPLES_ YYYY: 2024 MM: 06 DD: 04 _STATION- #: 159 _PPN2-PPN2exe

OPERATOR(S): FALCINI FEDERICO

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz			
Z00 m	1	9 : 00	9 : 00			
Z00 m	2	9 : 00	9 : 00			
Z00 m	3	9 : 00	9 : 00			

Depth	Natural abundance – T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end	
Z00 m	NAT-1	112524995	150	8 : 00	8 : 05	
Z00 m	NAT-2	112524996	150	8 : 00	8 : 05	
Z00 m	NAT-3	112524997	150	8 : 00	8 : 05	

24h (+/- 30min) later **Filtration < 40min**

Depth	Incubated bottle	PPN2 Filter in alu -20°C	PPN2exe* Exetainer-12mL +4°C	Filtration volume (mL)	Filtration time – start	Filtration time – end
Z00 m	PPN2-1	112524998	112524920	120	10 : 00	10 : 05
Z00 m	PPN2-2	112525000	112524921	130	10 : 00	10 : 10
Z00 m	PPN2-3	112524999	112524922	130	10 : 00	10 : 12
	BLANK	112525001	* +100 µL ZnCl			

Depth	COMMENTS

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LOG-SAMPLES_S-LAB-25

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F1

LOG_SAMPLES_ YYYY: 2024 MM: 06 DD: 04 _STATION- #: 1 5 9 _S-LAB-25-1

OPERATOR(S): BATTISTELLA Aude

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00 m	1. 26,6 2. 25,4 3. 24,9		112525021	1080 mL	N° T23-14 Weight 35,285	
Z02 m	1. 2. 3.		TRIPLICATES ONCE A MONTH FOR HP	HP Cryo-2mL LN2 #3	Filtration Volume (mL)	Filtration Duration (minutes)
Depth	PA Petridish FRZ -20°C	Filtration Volume (mL)	Z00 R01 m	112525019	270	● 30 min. min.
Z00 m	112525020	150 mL	Z00 R02 m	###-Z00 HP-2		☐ 30 min min.
			Z00 R03 m	###-Z02 HP-3		☐ 30 min min.
			Z02 R01 m	###-Z02 HP		☐ 30 min. 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	112525016	150 mL	N° T23-27 Weight 35,180	112525008	150 mL	N° T23-46 Weight 36,454
Z00 R02 m	112525015	150 mL	N° T23-90 Weight 34,049	112525007	150 mL	N° T23-26 Weight 35,413
Z00 R03 m	112525014	150 mL	N° TE 206 Weight 37,322	112525006	150 mL	N° T23-23 Weight 35,748

Depth Replicate	COMMENTS PM	COMMENTS FOI
Z00 R01 m		
Z00 R02 m		
Z00 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: 2024 MM: 06 DD: 04 _STATION- #: 159 _S-LAB-NET-20

OPERATOR(S): BATTISTELLA Aude

	Net 20 µm			Decknet / Deployed at sea		
SAMPLE SPLITTING	**# of cod-ends**: (●) 1 ( ) 2	**Total volume**: (●) 1600 mL	**Aliquots vol.**: (●) 200 mL			
PROTOCOLS	**Barcode**	**Aliquot volume (mL)**	**Filtration time**	**Barcode**	**Aliquot volume (mL)**	**Filtration time**
(●) **S20 Cryo-5mL LN2 #1**	112525013	(●) 200 mL (1/8) mL	(●) 15 mn	112525012	(●) 200 mL (1/8) mL	(●) 15 mn
FCAM20 Bottle-250mL LIVE	112586091	(●) 200 mL (1/8) 45				
E20 Falcon-15mL + 15mL ETOH FRZ -20°C	112525011	( ) 200 mL (1/8) 15				
S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect	112525010	( ) 200 mL (1/8) 300 mL				
MB20 Vial-4mL FRZ -20°C	112525009	(●) 200 mL (1/8)				
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C	112525024	( ) 45 mL 15		112525023	( ) 45 mL 15	
HG-20 Falcon-15mL FRZ -20°C	112525022	370				

	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		

Fondation tara océan explore and share

LOG-SAMPLES_S-LAB-NET-200

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F3

LOG-SAMPLES_ YYYY: 2024 MM: 06 DD: 04 _STATION- #: 159 _S-LAB-NET-200

OPERATOR(S): BATTISTELLA Awde

	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	112586090	● 100%	● 250 mL			
		%	○ 500 mL			
SAMPLE SPLITTING	**COD-END #2**	**Total volume** ● 1600 mL				
PROTOCOLS	**Barcode**	**Filtered volume (mL)**	**Filtration time**	**Barcode**	**Filtered volume (mL)**	**Filtration time**
● **S200 Cryo-5mL LN2 #1**	112525028	30	● 15 min	112525027	30	● 15 min
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo	112525026	100				
HG-200 Falcon-15mL FRZ -20°C	112525025	550		112525044	550	

	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		

Fondation tara océan explore and share — LOG-SAMPLES_S-LAB-NET-680 — tara EUROPA — F4

LOG-SAMPLES_ YYYY: 2024 MM: 06 DD: 04 _STATION- # # #: 1 5 9 _S-LAB-NET-680

OPERATOR(S): BATTISTELLA Aude

Régent 680

SAMPLE SPLITTING	NET TOW n° 1 — FLOWMETER 10 803 / 14 373			NET TOW n° 2 — FLOWMETER Total volume 14 374 / 19 123 — ☐ 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	112586089	☑ 100 % / %	☑ 250 mL / ☐ 500 mL			
F2000 Bottle-250mL RT >10°C + borax/formol	### EPI F2000	hand-picked / #ind=	☐ 250 mL / ☐ 500 mL			
S680-L Falcon-5mL FRZ -20°C + 5mL Nucleoprotect				112525030	☐ 100 % / %	100 mL
HG-680 Falcon-15mL FRZ -20°C				112525029		1400

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