LOG_SAMPLES_ YYYY `2024` MM `07` DD `24` **_STATION-** # `1` # `8` # `3` **_S-LAB-25-1**

OPERATOR(S) `ZH`

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00 m	1. 0.8652 2. 0.53 3. 1.09		‖‖‖ 115561891	2160 mL	N° F31 Weight 36,535	→ seawater (crossed out values)
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	‖‖‖ 112537885	2160	☐ 30 min. ☒ 16 min.
Z00 m	‖‖‖ 115561904	2160 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	‖‖‖ 115561905	2160 mL	N° F27 Weight 36,366	‖‖‖ 115561908	2160 mL	N° T23.240 Weight 37,216
Z00 R02 m	‖‖‖ 115561906	2160 mL	N° T23.217 Weight 35,801	‖‖‖ 115561909	2160 mL	N° F48 Weight 36,537
Z00 R03 m	‖‖‖ 115561907	2160 mL	N° T23.247 Weight 36,509	‖‖‖ 115561910	2160 mL	N° T23.187 Weight 36,824

3   8   L   2024 07   ЈБ

HS

Depth Replicate	COMMENTS PM	COMMENTS FOI
		0.2652
Z00 R01	9160	0.53
m 36,652		1.03
Z00 R02 m		
Z00 R03 m	9160	
818		
		9160

Depth Replicate	COMMENTS PA - HP	
Z00		FS7
T53.2M6 m 37,216	9160	36,556 9160
Z02 FU8		T53.214
36,537 m	9160	108,36 9160
T53.184		T53.214
36,52	9160	36,563 9160

		YYYY	MM	DD		#	#	#	
LOG-SAMPLES_		2024	07	24	_STATION-	1	8	3	_S-LAB-NET-20

OPERATOR(S): **ZM**

	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 ●	112537886	☐ 200 mL (1/8) **120** mL	☐ 15 mn	112537887	☐ 200 mL (1/8) **120** mL	☐ 15 mn
FCAM20 Bottle-250mL LIVE	115561919	● 200 mL (1/8)				
E20 Falcon-15mL **+ 15mL ETOH** FRZ -20°C	115561911	● 200 mL (1/8)				
S20-L Falcon-5mL FRZ -20°C **+ 5 mL NucleoProtect**	115561912	● 200 mL (1/8) **120** mL				
MB20 Vial-4mL FRZ -20°C	115561913	● 200 mL (1/8)				
FM20 Falcon-50mL FRG +4°C **Prealiquoted PFA+GLUTA** store at -20°C	115561914	● 45 mL		115561915	● 45 mL	
HG-20 Falcon-15mL FRZ -20°C	115561918	**450**				

3 8 1

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

LOG-SAMPLES_ | YYYY **24** | MM **07** | DD **24** | **_STATION-** | # **1** | # **8** | # **3** | **_S-LAB-NET-200**

OPERATOR(S) ZM

	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	115561920	⬤ 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**	112537888	30	☐ 15 min	112537889	30	☐ 15 min
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo	115561922	30				
HG-200 Falcon-15mL FRZ -20°C	115561924	1500				

Fondation
tara océan
explore and share
LOG-SAMPLES_S-LAB-NET-200
tara
EUROPA
F3

3 8 1   N6 F0 N6

M5

		COMMENTS	COMMENTS
SAMPLE SPLITTING			
PROTOCOLS		●	●
F200 Bottle-250mL RT >10°C			
			●
SAMPLE SPLITTING			
PROTOCOLS	30		30
S200 Cryo-5mL LN2 #1			30
S200-L Falcon-5mL FRZ -20°C			1800

	YYYY	MM	DD		#	#	#	
LOG-SAMPLES_	2024	07	24	_STATION-	1	8	3	_S-LAB-NET-680

OPERATOR(S): ZH

Régent 680

SAMPLE SPLITTING	NET TOW n° 2 FLOWMETER 06690 08779			NET TOW n° 1 FLOWMETER 04054 06690 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	115561921	● 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				115561923	▢ 100 % c %	80 mL
HG-680 Falcon-15mL FRZ -20°C				115561925	1300	

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

	YYYY	MM	DD		#	#	#	
LOG_SAMPLES_	2024	07	24	_STATION-	1	8	3	_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				115561967	
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	112537920	#307 130,15	4540	35	###-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					

Fondation
tara océan
explore and share

LOG-SAMPLES_MERCURY

tara
EUROPA

B4

Depth	COMMENTS	
Z00 ___ m		

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

LOG_SAMPLES_ YYYY **2024** MM **07** DD **24** **_STATION-** # **1** # **8** # **3** **_W-LAB-142-1**

OPERATOR(S) Hugo BERTHELOT

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	112537900	112537902	☐ 20L / **22** L	☑ 15 min. / min.	112537904	12L ☐ 20L / ~~20L~~ L
Z00 R02 m	112537901	112537903	☐ 20L / **22** L	☑ 15 min. / min.	112537905	12L ☐ 20L / ~~22L~~ 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	112537906	112537907	☐ 50L / **45** L	☑ 60 min. / 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	115561964	115561965	☐ 50L / **45** L	☑ 60 min. / min.		
Z02 m	###-Z02 S320-L	###-Z02 S023-L	☐ 50L / L	☐ 60 min. / min.		

Fondation
tara océan
explore and share

LOG-SAMPLES_W-LAB-142-1

tara
EUROPA

C1

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

Depth	COMMENTS P###
Z00	
m	
Z02	
m	

Depth	COMMENTS S###L
Z00	
m	
Z02	
m	

LOG_SAMPLES_ | YYYY **2024** | MM **07** | DD **24** | _STATION- | # **1** | # **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	112576102	112576103	112576104		115561966	###-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	112576099	112576096	112576093		
Z00	R02 ___ m	112576100	112576097	112576094		
Z00	R03 ___ m	112576101	112576098	112576095		
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	* One out of 2 MQ dispenser broken so we used MQ water from water maker ⊕ 2nd MQ system ↳ impact cleaning ⊕ blank on all samples		
Z02 m			

Depth Replicate		COMMENTS CDOM/FDOM	COMMENTS DOC	COMMENTS NUT
Z00	R01 m	*	*	*
Z00	R02 m			
Z00	R03 m			
Z02	R01 m			
Z02	R02 m			
Z02	R03 m			

LOG_SAMPLES_ YYYY `2024` MM `07` DD `24` **_STATION-** # `1` # `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	112576107	☒ 2L / ☐ L	☐ 120 min. / min.	112576111	☒ 2L / ☐ L	☐ 120 min. / min.
	m						
Z00	R02	112576108	☒ 2L / ☐ L	☐ 120 min. / min.	112576112	☒ 2L / ☐ L	☐ 120 min. / min.
	m						
Z00	R03	112576109	☒ 2L / ☐ L	☐ 120 min. / min.	112576113	☐ 2L *1600 mL* / ☐ L *(1600) mL*	☐ 120 min. / min.
	m						
Z00	R04	112576110	☒ 2L / ☐ L	☐ 120 min. / min.	112576114	☒ 2L / ☐ L	☐ 120 min. / min.
	m						
Z02	R01	###-Z02 PPL-1	☐ 2L / ☐ L	☐ 120 min. / min.	###-Z02 HLB-1	☐ 2L / ☐ L	☐ 120 min. / min.
	m						
Z02	R02	###-Z02 PPL-2	☐ 2L / ☐ L	☐ 120 min. / min.	###-Z02 HLB-2	☐ 2L / ☐ L	☐ 120 min. / min.
	m						
Z02	R03	###-Z02 PPL-3	☐ 2L / ☐ L	☐ 120 min. / min.	###-Z02 HLB-3	☐ 2L / ☐ L	☐ 120 min. / min.
	m						
Z02	R04	###-Z02 PPL-4	☐ 2L / ☐ L	☐ 120 min. / min.	###-Z02 HLB-4	☐ 2L / ☐ L	☐ 120 min. / min.
	m						

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	112576105	☒ 16L / ☐ L	☒ 30 min. / min.	112576106	☒ 16L / ☐ L	☒ 30 min. / min.
m						
Z02	###-Z02 MB320	☐ 16L / ☐ L	☐ 30 min. / min.	###-Z02 MB033	☐ 16L / ☐ L	☐ 30 min. / min.
m						

Depth		COMMENTS
Z00	R01 m	* One out of 2 MQ dispenser broken so we used MQ water from water maker ⊕ 2nd MQ system ↳ impact cleaning ⊕ blank on all samples
Z00	R02 m	*
Z00	R03 m	*
Z00	R04 m	*
Z02	R01 m	*
Z02	R02 m	*
Z02	R03 m	*
Z02	R04 m	*

	YYYY	MM	DD		#	#	#	
LOG_SAMPLES_	2024	07	24	_STATION-	1	8	3	_S-LAB-OTHER

OPERATOR(S): THOMAS HAIZE

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 m	R01	112537646	112537654	112537704	112537707	112537709	112537711
Z00 m	R02	112537647	112537655	112537705	112537708	112537710	112537712
Z00 m	R03	112537648	112537656	112537706	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00 m	R04	112537649	112537657	Glycerol prealiquot - RT			
Z00 m	R05	112537650	112537658		DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
Z00 m	R06	112537651	112537659		112537908	112537911	112537914
Z00 m	R07	112537652	112537660		112537909	112537912	112537915
Z00 m	R08	112537653	112537661		112537910	112537913	112537916
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	115561824	● 30L L	☐ 30 min. 23 min.		

	YYYY	MM	DD		#	#	#	
LOG_SAMPLES_	2024	07	24	_STATION-	1	8	3	_S-LAB-DECKNET-5

OPERATOR(S) THOMAS HAIZE

Depth	Volume filtered (Litres)			
Z00	🫧 10 L			
m	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	‖‖‖ 112537573	‖‖‖ 112537574	‖‖‖ 112537575	‖‖‖ 112537576
m				
Z02	### Z02 FM5-1	### Z02 FM5-2	### Z02 SG5-1	### Z02 SG5-2
m				

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

* pre-aliquoted Glycine betaine
store at 4°C

	YYYY	MM	DD		#	#	#	
LOG_SAMPLES_	2024	07	24	_STATION-	1	8	3	_PPN2-PPN2exe

OPERATOR(S): THOMAS HAIZE

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz		
Z00 m	1	6:24	6:42		
Z00 m	2	6:24	6:43		
Z00 m	3	6:24	6:43		

Depth	Natural abundance – T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end
Z00 m	NAT-1	112537544	2270	8:20	8:45
Z00 m	NAT-2	112537545	2270	8:20	8:45
Z00 m	NAT-3	112537546	1740	8:20	9:03

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	112537547	112537917	2270	9:30	9:59
Z00 m	PPN2-2	112537548	112537918	2270	9:30	9:59
Z00 m	PPN2-3	112537549	112537919	2270	9:30	9:59
	BLANK	112537550	* +100 µL ZnCl			

Fondation tara océan
explore and share

LOG-SAMPLES_SML-SEA-SURFACE-MICROLAYER

tara EUROPA

E3

YYYY	MM	DD	HH	MM		# # #		OPERATOR(S) INITIALS
2024	07	24	8	23	_STATION-	1 8 3	_SML	THOMAS HAIZE

Number of dips: 12   **Volume Collected (L)** 0.850

Water Collection

Protocol	Quantity, Container Storage	Replicate 1	Replicate 2	Replicate 3	Comments
SML-FC	Cryotube (2ml) 1.5ml sample + 30 µl Glute 25% LN2 (-80°C)	112537436	112537437		
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	112537438	112537439	112537440	
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	112537441	112537442	112537443	
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	112537444	112537445	112537446	

YYYY	MM	DD	HH	MM		# # #		OPERATOR(S) INITIALS
					_STATION-		_SML	

Number of dips: **Volume Collected (L)**

Water Collection

Protocol	Quantity, Container Storage	Replicate 1	Replicate 2	Replicate 3	Comments
SML-FC	Cryotube (2ml) 1.5ml sample + 30 µl Glute 25% LN2 (-80°C)	### SML-FC-1	### SML-FC-2		
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	### SML-CP-1	### SML-CP-2	### SML-CP-3	
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	### SML-320-1	### SML-320-2	### SML-320-3	
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	### SML-023-1	### SML-023-2	### SML-023-3	