



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _MERCURY
 OPERATOR(S)

2024 05 27 1 5 3 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				 112585860
Z02 m	###-Z02 p.MeHg				 112585880
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	 112524327	#22 137,8	4815	40	###-Z00 f.THg
Z02 m	 112524328	#32 123,6	4540	35	###-Z02 f.THg
Depth	uf.THg 40-mL glass bottle RT		2270 2270 275		
Z00 m	###-Z00 uf.THg				
Z02 m	###-Z02 uf.THg				



Depth	COMMENTS	
Z00 m		



YYYY MM DD # # #
 LOG_SAMPLES_ **2024 05 27** _STATION- **1 5 3** _W-LAB-142-1
 OPERATOR(S) **JEANTHON C.**

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			<input type="checkbox"/> 20L 15 L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L 9 L
Z00 R02 m			<input type="checkbox"/> 20L 14 L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L 9 L
Z02 R01 m			<input type="checkbox"/> 20L 19 L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L 19 L
Z02 R02 m			<input type="checkbox"/> 20L 19 L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L 19 L
Depth Replicate	P320 Cryo-5mL LN2 #1	P023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	< 0.2 µm	
Z00 m			<input type="checkbox"/> 50L 38 L	<input checked="" type="checkbox"/> 60 min. min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2	
Z02 m			<input checked="" type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. 55 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			<input type="checkbox"/> 50L 38 L	<input checked="" type="checkbox"/> 60 min. min.		
Z02 m			<input checked="" type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. 55 min.		

2 filters for ZOO RZ S<O2



YYYY MM DD

LOG_SAMPLES_

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_STATION-

#

1 5 3

_DECK-BGC

OPERATOR(S)

Florian Tigodet

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						###-Z00 SAL
Z02 m						
		+ 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						
Z00 R02 m						
Z00 R03 m						
Z02 R01 m						
Z02 R02 m						
Z02 R03 m						
		+ 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			
Z00 R02 m			
Z00 R03 m			
Z02 R01 m			
Z02 R02 m			
Z02 R03 m			



Depth		COMMENTS
Z00	R01 m	NB320-200 } → filter cracked. Coloration on the filters, NB033-200 } I think they cracked when opening the tripods
Z00	R02 m	
Z00	R03 m	Decreased NiliQ water quality. It went from 18.27 Ω.cm to 16.3 Ω.cm
Z00	R04 m	
Z02	R01 m	
Z02	R02 m	
Z02	R03 m	
Z02	R04 m	



LOG_SAMPLES_ 2024 05 27 _STATION- 1 5 3 _S-LAB-OTHER

OPERATOR(S) GUILLOU LAURE

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						
Z00	R02 m						
Z00	R03 m				Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00	R04 m			Glycerol prealiquot - RT			
Z00	R05 m				DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
Z00	R06 m						
Z00	R07 m						
Z00	R08 m						
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		<input type="checkbox"/> 30L <u>37</u> L	<input checked="" type="checkbox"/> 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	 112524438	 112524392	 112524394	 112524396		
Z02	R02 m	 112524439	 112524393	 112524395	 112524397		
Z02	R03 m	 112524440	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
					 112524311	 112524312	 112524313
					+ 100 µL ZnCl ²	+ 100 µL ZnCl ²	+ 100 µL ZnCl ²
COMMENTS							



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _PPN2-PPN2exe

OPERATOR(S) Burton ALLE

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz		
Z00 m	1	7:30	/	No more Gaz	
Z00 m	2	7:30	/		
Z00 m	3	7:30	/	Parafilm	

Depth	Natural abundance - T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time - start	Filtration time - end
Z00 m	NAT-1		1320	7:05	7:40
Z00 m	NAT-2		1320	7:05	7:40
Z00 m	NAT-3		1420	7:05	7:45

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				:	:
Z00 m	PPN2-2				:	:
Z00 m	PPN2-3				:	:
	BLANK		* +100 µL ZnCl			



LOG_SAMPLES_ 2024 05 27 _STATION- 1 5 3 _S-LAB-25-1

OPERATOR(S) RANINI Romain

Depth	Turbidimeter (FNU)	PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)		
Z00 m	1. <u>0.35</u> 2. <u>0.34</u> 3. <u>0.36</u>		<u>1080</u> mL	N° <u>T23-94</u> Weight <u>34.451</u>		
Z02 m	1. <u>0.16</u> 2. <u>0.16</u> 3. <u>0.19</u>	TRIPPLICATES 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	<u>1080</u> <input type="checkbox"/> 30 min. <u>35</u> min.		
Z00 m		<u>1080</u> mL	Z00 R02 m	###-Z00 HP-2 <input type="checkbox"/> 30 min. min.		
			Z00 R03 m	###-Z02 HP-3 <input type="checkbox"/> 30 min. min.		
			Z02 R01 m	<u>3350</u> <input type="checkbox"/> 30 min. <u>34</u> 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		<u>1080</u> mL	N° <u>T23-65</u> Weight <u>37.363</u>	<u>1080</u>	<u>1080</u> mL	N° <u>T23-5</u> Weight <u>35.532</u>
Z00 R02 m		<u>1080</u> mL	N° <u>T23-16</u> Weight <u>35.051</u>	<u>1080</u>	<u>1080</u> mL	N° <u>T23-97</u> Weight <u>37.851</u>
Z00 R03 m		<u>1080</u> mL	N° <u>T23-49</u> Weight <u>35.267</u>	<u>1080</u>	<u>1080</u> mL	N° <u>T23-34</u> Weight <u>35.287</u>



Depth Replicate		COMMENTS PM	COMMENTS FOI
Z00	R01 m		
Z00	R02 m		
Z00	R03 m		
Depth Replicate		COMMENTS PA - HP	
Z00	m		
Z02	m		



YYYY MM DD

LOG-SAMPLES_ **2024 05 27**

#

_STATION- **1 5 3** _S-LAB-NET-20

OPERATOR(S) **RANINI Romain**

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		<input type="checkbox"/> 200 mL (1/8) 100 mL	<input checked="" type="checkbox"/> 15 mn		<input type="checkbox"/> 200 mL (1/8) 100 mL	<input checked="" type="checkbox"/> 15 mn
FCAM20 Bottle-250mL LIVE		<input checked="" type="checkbox"/> 200 mL (1/8)				
E20 Falcon-15mL + 15mL ETOH FRZ -20°C		<input checked="" type="checkbox"/> 200 mL (1/8)				
S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect		<input type="checkbox"/> 200 mL (1/8) 150 mL				
MB20 Vial-4mL FRZ -20°C		<input type="checkbox"/> 200 mL (1/8) 370 mL				
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C		<input type="checkbox"/> 45 mL <input checked="" type="checkbox"/> 15 mL			<input type="checkbox"/> 45 mL <input checked="" type="checkbox"/> 15 mL	
HG-20 Falcon-15mL FRZ -20°C		200 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		



LOG-SAMPLES_ YYYY MM DD # # # _STATION- _S-LAB-NET-200

OPERATOR(S) RANINI Romain

		Horizontal WP11-200				
SAMPLE SPLITTING		COD-END #1				
PROTOCOLS	Barcode	Fraction of total volume	Aliquot Volume (mL)			
F200 Bottle-250mL + borax/formol RT >10°C		<input checked="" type="checkbox"/> 100%	<input checked="" type="checkbox"/> 250 mL			
		%	<input type="checkbox"/> 500 mL			
SAMPLE SPLITTING		COD-END #2		Total volume		
		<input checked="" type="checkbox"/> 1600 mL				
PROTOCOLS	Barcode	Filtered volume (mL)	Filtration time	Barcode	Filtered volume (mL)	Filtration time
S200 Cryo-5mL LN2 #1		200 mL	<input checked="" type="checkbox"/> 15 min		200 mL	<input type="checkbox"/> 15 min
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo		300 mL				
HG-200 Falcon-15mL FRZ -20°C		850 mL				



	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		



LOG-SAMPLES_ YYYY MM DD # # # _STATION- _S-LAB-NET-680

2024 05 27 1 5 3

OPERATOR(S) **RANINI Romain**

Régent 680

SAMPLE SPLITTING	NET TOW n° 1		NET TOW n° 2			
	FLOWMETER	FLOWMETER	FLOWMETER	FLOWMETER		
	55566	55414	55414	55896		
	<input checked="" type="checkbox"/> 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		<input checked="" type="checkbox"/> 100 %	<input checked="" type="checkbox"/> 250 mL			
		%	<input type="checkbox"/> 500 mL			
F2000 Bottle-250mL RT >10°C + borax/formol	### EPI F2000	hand-picked	<input type="checkbox"/> 250 mL			
		#ind=	<input type="checkbox"/> 500 mL			
S680-L Falcon-5mL FRZ -20°C + 5mL Nucleoprotect					<input type="checkbox"/> 100 %	300 mL
					%	
HG-680 Falcon-15mL FRZ -20°C						1300 mL

