



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- \_MERCURY

OPERATOR(S)

2024 05 13 1 4 4 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				
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		#65 134,01	3350	26	###-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	
Z00  m		



YYYY MM DD # # #  
 LOG\_SAMPLES\_ **2024 05 13** \_STATION- **1 4 4** \_W-LAB-142-1  
 OPERATOR(S) **JEANTHON C.**

Depth Replicate	<b>S320</b> Cryo-5mL LN2 #1	<b>S023</b> Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	<b>S&lt;02</b> Cryo-5mL FRG +4°C	Filtration Volume (Litres)
Z00 R01 m			<input type="checkbox"/> 20L <b>17,5</b> L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L L
Z00 R02 m			<input type="checkbox"/> 20L <b>18</b> L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	<input type="checkbox"/> 20L L	<input type="checkbox"/> 15 min. min.	###-Z02 S<02	<input type="checkbox"/> 20L L
Z02 R02 m	###-Z02 S320-2	###-Z02 S023-2	<input type="checkbox"/> 20L L	<input type="checkbox"/> 15 min. min.	###-Z02 S<02-2	<input type="checkbox"/> 20L L
Depth Replicate	<b>P320</b> Cryo-5mL LN2 #1	<b>P023</b> Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	< 0.2 µm	
Z00 m			<input checked="" type="checkbox"/> 50L L	<input checked="" type="checkbox"/> 60 min. min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2	
Z02 m	###-Z02 P320	###-Z02 P023	<input type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. min.		
Depth Replicate	<b>S320-L</b> 15mL falcon -20°C <b>+ 10 mL Nucleoprotect</b>	<b>S023-L</b> 15mL falcon -20°C <b>+ 10 mL Nucleoprotect</b>	Filtration Volume (Litres)	Filtration Duration (minutes)		
Z00 m			<input checked="" type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. <b>70</b> min.		
Z02 m	###-Z02 S320-L	###-Z02 S023-L	<input type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. min.		



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	





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			



LOG\_SAMPLES\_ 2024 05 13 \_STATION- 1 4 4 \_TARDIS-SCP

OPERATOR(S) Florian Trigodet

YYYY MM DD # # #

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		<input type="checkbox"/> 1L <input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 60' <input checked="" type="checkbox"/> 120'		<input type="checkbox"/> 1L <input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 60' <input checked="" type="checkbox"/> 120'
Z00 R02 m		<input type="checkbox"/> 1L <input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 60' <input checked="" type="checkbox"/> 120'		<input type="checkbox"/> 1L <input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 60' <input checked="" type="checkbox"/> 120'
Z00 R03 m		<input type="checkbox"/> 1L <input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 60' <input checked="" type="checkbox"/> 120'		<input type="checkbox"/> 1L <input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 60' <input checked="" type="checkbox"/> 120'
Z00 R04 m		<input type="checkbox"/> 1L <input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 60' <input checked="" type="checkbox"/> 120'		<input type="checkbox"/> 1L <input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 60' <input checked="" type="checkbox"/> 120'
Z02 R01 m	###-Z02 PPL-1	<input type="checkbox"/> 1L <input type="checkbox"/> 2L	<input type="checkbox"/> 60' <input type="checkbox"/> 120'	###-Z02 HLB-1	<input type="checkbox"/> 1L <input type="checkbox"/> 2L	<input type="checkbox"/> 60' <input type="checkbox"/> 120'
Z02 R02 m	###-Z02 PPL-2	<input type="checkbox"/> 1L <input type="checkbox"/> 2L	<input type="checkbox"/> 60' <input type="checkbox"/> 120'	###-Z02 HLB-2	<input type="checkbox"/> 1L <input type="checkbox"/> 2L	<input type="checkbox"/> 60' <input type="checkbox"/> 120'
Z02 R03 m	###-Z02 PPL-3	<input type="checkbox"/> 1L <input type="checkbox"/> 2L	<input type="checkbox"/> 60' <input type="checkbox"/> 120'	###-Z02 HLB-3	<input type="checkbox"/> 1L <input type="checkbox"/> 2L	<input type="checkbox"/> 60' <input type="checkbox"/> 120'
Z02 R04 m	###-Z02 PPL-4	<input type="checkbox"/> 1L <input type="checkbox"/> 2L	<input type="checkbox"/> 60' <input type="checkbox"/> 120'	###-Z02 HLB-4	<input type="checkbox"/> 1L <input type="checkbox"/> 2L	<input type="checkbox"/> 60' <input type="checkbox"/> 120'
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		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30
Z02 m	###-Z02 MB320	<input type="checkbox"/> 16L	<input type="checkbox"/> 30	###-Z02 MB033	<input type="checkbox"/> 16L	<input type="checkbox"/> 30



Depth		COMMENTS
Z00	R01 m	
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z02	R01 m	
Z02	R02 m	
Z02	R03 m	
Z02	R04 m	





LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_TARDIS-SCP-SS

2024 05 13 1 4 4

OPERATOR(S) Florian Trigodet

LCMS

Depth	PPL Falcon-50mL FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)	HLB<0.3 Falcon-50mL FRZ -20°C	Filtration Volume (Litres)	Filtration Duration (minutes)
Z00 R01	###-Z00 PPL-NMR-1	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min	###-Z00 HLB-LCMS-1	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min
m		L	min		L	min
Z00 R02	##-Z00 PPL-NMR-2	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min	##-Z00 HLB-LCMS-2	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min
m		L	min		L	min
Z00 R03	##-Z00 PPL-NMR-3	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min	##-Z00 HLB-LCMS-3	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min
m		L	min		L	min
Z00 R04	###-Z00 PPL-NMR-4	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min		<input checked="" type="checkbox"/> 1.5L	<input checked="" type="checkbox"/> 100 min
m		L	min		L	min
Z00 R05	###-Z00 PPL-NMR-5	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min			
m		L	min			
Z00		<input checked="" type="checkbox"/> 1.5L	<input checked="" type="checkbox"/> 100 min			
m		L	min			



LCMS

Depth		COMMENTS
Z00	R01 m	Additional blank LCMS because not done during super site. 2/5 blank site
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z00	R05 m	
Z00	m	



YYYY MM DD # # #  
 LOG\_SAMPLES\_ 2024 05 13 \_STATION- 1 4 4 \_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	112538280	112538288	112538296	112538299	112538301	112538303
Z00 R02 m	112538281	112538289	112538297	112538300	112538302	112538304
Z00 R03 m	112538282	112538290	112538298	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at - 20°C
Z00 R04 m	112538283	112538291	Glycerol prealiquot - RT			
Z00 R05 m	112538284	112538292		DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
Z00 R06 m	112538285	112538293		112538317	112538320	112538323
Z00 R07 m	112538286	112538294		112538318	112538321	112538324
Z00 R08 m	112538287	112538295		112538319	112538322	112538325
<b>Prealiquot</b>	No prealiquot	Glycerol prealiquot - RT		+ 100 µL ZnCl <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>
<b>Depth Replicate</b>	<b>eDNA Waters capsule RT</b>	<b>Filtration Volume (Litres)</b>	<b>Filtration Duration (minutes)</b>	<b>+ 50 mL of buffer</b>	<b>&lt; 0.45 µm</b>	
Z00 m	112538305	<input type="checkbox"/> 30L <b>32</b> 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	###-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 <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>
<b>COMMENTS</b>							





Depth		COMMENTS SG5
Z00	R01	
	m	
Z00	R02	
	m	
Depth		COMMENTS FM5
Z00	R01	
	m	
Z00	R02	
	m	



YYYY MM DD # # #  
 LOG\_SAMPLES\_ 2024 05 13 \_STATION- 1 4 4 \_PPN2-PPN2exe  
 OPERATOR(S) GULLO VARE

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz		
Z00 m	1	7:00 (UTC)	9:10	15N. Bottle on Sun ↳ we were able to sample 15N!! for the 3 bottles. 😊	
Z00 m	2	7:00	9:10		
Z00 m	3	7:00	9:10		

Depth	Natural abundance - TO	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time - start	Filtration time - end
Z00 m	NAT-1		2227	8:40	9:10
Z00 m	NAT-2		2227	8:40	9:10
Z00 m	NAT-3		1800	8:40	9:10 (no UTC)

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			2127	8:45 (UTC)	9:15
Z00 m	PPN2-2			2127	8:45	9:15
Z00 m	PPN2-3			2127	8:45	9:15
	BLANK		* +100 µL ZnCl			







YYYY MM DD # # #  
 LOG\_SAMPLES\_ 2024 05 13 \_STATION- 1 4 4 \_S-LAB-25-1  
 OPERATOR(S) RANINI Romain

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00	1. <u>0.54</u> 2. <u>0.51</u> 3. <u>0.34</u>		###-Z00 PM-CTRL		N° Weight	
Z02	1. 2. 3.		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	112538330	<u>1715</u>	<input type="checkbox"/> 30 min. <u>36</u> min.
Z00	112538331	<u>1715</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	###-Z02 HP		<input type="checkbox"/> 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	112538332	<u>1715</u> mL	N° <u>TE014</u> Weight <u>36.117</u>	112538335	<u>1715</u> mL	N° <u>TE 185</u> Weight <u>37.464</u>
Z00 R02	112538333	<u>1715</u> mL	N° <u>TE 385</u> Weight <u>37.117</u>	112538336	<u>1715</u> mL	N° <u>TE 391</u> Weight <u>37.310</u>
Z00 R03	112538334	<u>1715</u> mL	N° <u>TE 009</u> Weight <u>35.063</u>	112538337	<u>1715</u> mL	N° <u>TE 204</u> Weight <u>36.448</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 13 \_STATION- 1 4 4 \_S-LAB-NET-20  
 OPERATOR(S) RANINI Romain

	Net 20 µm			<input checked="" type="checkbox"/> Decknet			
				<input type="checkbox"/> Deployed at sea			
SAMPLE SPLITTING	# of cod-ends	Total volume	Aliquots vol.				
	<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2	<input checked="" type="checkbox"/> 1600 mL	<input checked="" type="checkbox"/> 200 mL				
PROTOCOLS	Barcode	Aliquot volume (mL)	Filtration time	Barcode	Aliquot volume (mL)	Filtration time	
<b>S20</b> Cryo-5mL LN2 #1		<input type="checkbox"/> 200 mL (1/8) <u>250</u> mL	<input checked="" type="checkbox"/> 15 mn		<input type="checkbox"/> 200 mL (1/8) <u>250</u> mL	<input checked="" type="checkbox"/> 15 mn	
<b>FCAM20</b> Bottle-250mL LIVE		<input checked="" type="checkbox"/> 200 mL (1/8)					
<b>E20</b> Falcon-15mL + 15mL ETOH FRZ -20°C		<input checked="" type="checkbox"/> 200 mL (1/8)					
<b>S20-L</b> Falcon-5mL FRZ -20°C + 5 mL NucleoProtect		<input type="checkbox"/> 200 mL (1/8) <u>250</u> mL					
<b>MB20</b> Vial-4mL FRZ -20°C		<input type="checkbox"/> 200 mL (1/8) <u>370</u>					
<b>FM20</b> Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C		<input type="checkbox"/> 45 mL <input checked="" type="checkbox"/> <u>15 mL</u>			<input type="checkbox"/> 45 mL <input checked="" type="checkbox"/> <u>15 mL</u>		
<b>HG-20</b> Falcon-15mL FRZ -20°C		<u>200 mL</u>					



	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

2024 05 13 1 4 4

Horizontal  
WPII-200

COD-END #1

SAMPLE SPLITTING

PROTOCOLS

Barcode

Fraction of total volume

Aliquot Volume (mL)

F200  
Bottle-250mL  
+ borax/formol  
RT >10°C



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



200



15 min



200



15 min

S200-L  
Falcon-5mL  
FRZ -20°C  
+ 5mL Nucleo



250

HG-200  
Falcon-15mL  
FRZ -20°C



950



	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

OPERATOR(S) RANINI Romain

2024 05 13 1 4 34

Régent 680

SAMPLE SPLITTING	NET TOW n° <span>1</span>		NET TOW n° <span>2</span>		FLOWMETER	
	FLOWMETER	56934	60329	Total volume	60329	65312
	<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 <span>1</span> Falcon-5mL FRZ -20°C + 5mL Nucleoprotect					<input type="checkbox"/> 100 %	200 mL
					%	
HG-680 Falcon-15mL FRZ -20°C						1160 mL
S680-L2 Falcon-5mL FRZ -20°C + 5mL Nucleoprotect						175 mL



COMMENTS

COMMENTS

SAMPLE  
SPLITTING

PROTOCOLS

F680  
Bottle-250mL  
RT >10°CF2000  
Bottle-250mL  
RT >10°CS680-L  
Falcon-5mL  
FRZ -20°C

2 samples have been done:

- \* S680-L1 = sample done by taking 200 mL from homogenised by hand 1600 mL net sample
- \* S680-L2 = sample done using the sample splitter

We did it due to apparent problem of homogenisation (for example absence of blue copepods in S680-L1)