



LOG\_SAMPLES\_ YYYY MM DD 2024 07 28 \_STATION- # # # 1 8 6 \_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				
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		#310 124,41	5620	40	###-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				



281

85 FO 4505

28

Depth	COMMENTS	
200 m		
	<p>04 0530 40</p>	<p>15th #1 #310</p>



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- 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			<input type="checkbox"/> 20L 22 L	<input type="checkbox"/> 15 min. 13 min.		<input type="checkbox"/> 20L 22 L
Z00 R02 m			<input type="checkbox"/> 20L 22 L	<input type="checkbox"/> 15 min. 14 min.		<input type="checkbox"/> 20L 22 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	P320 Cryo-5mL LN2 #1	P023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	< 0.2 µm	
Z00 m			<input checked="" type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. 45 min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2	
Z02 m	###-Z02 P320	###-Z02 P023	<input checked="" type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. 45 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 checked="" type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. 45 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	



YYYY MM DD

LOG\_SAMPLES\_ **2024 07 28**

# # #

\_STATION- **1 8 6** \_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					###-Z00 SAL
Z02 m	###-Z02 TOC-1	###-Z02 TOC-2	###-Z02 TOC-3	###-Z02 DICTA	###-Z02 SAL
	<b>+ 150 µl HCl</b>			<b>+ 300 µl HgCl<sub>2</sub></b>	
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 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		
	<b>+ 150 µl HCl</b>				



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 ⊕ blanks 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 MM DD # # # \_STATION- # # # \_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		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.
m		L	min.		L	min.
Z00 R02		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.
m		L	min.		L	min.
Z00 R03		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.
m		L	min.		L	min.
Z00 R04		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R01	###-Z02 PPL-1	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.	###-Z02 HLB-1	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R02	###-Z02 PPL-2	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.	###-Z02 HLB-2	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R03	###-Z02 PPL-3	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.	###-Z02 HLB-3	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	min.
Z02 R04	###-Z02 PPL-4	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.	###-Z02 HLB-4	<input type="checkbox"/> 2L	<input type="checkbox"/> 120 min.
m		L	min.		L	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		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min.		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min.
m		L	min.		L	min.
Z02	###-Z02 MB320	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min.	###-Z02 MB033	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min.
m		L	min.		L	min.



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 ⊕ blanks on all samples
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- # # # \_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 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						
<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 Watera 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		<input checked="" type="checkbox"/> 30L L	<input type="checkbox"/> 30 min. 23 min.			



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_S-LAB-DECKNET-5  
2024 07 28 1 8 6  
 OPERATOR(S) THOMAS HAIZE

Depth	Volume filtered (Litres)				
Z00	<input checked="" type="checkbox"/> 10 L				
m	<input type="checkbox"/> L				
Z02	<input type="checkbox"/> 10 L				
m	<input type="checkbox"/> L				
Depth	FM5-1* Falcon-15mL FRG +4°C	FM5-2* Falcon-15mL FRG +4°C	<input checked="" type="checkbox"/> SG5-1* Cryo-5mL LN2	<input checked="" type="checkbox"/> SG5-2* Cryo-5mL LN2	
Z00					
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



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- \_PPN2-PPN2exe

OPERATOR(S) THOMAS HAIZE

2024 07 28 1 8 6

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz
Z00 m	1	6 : 33	6 : 39
Z00 m	2	6 : 33	6 : 39
Z00 m	3	6 : 33	6 : 39

Depth	Natural abundance – T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end
Z00 m	NAT-1		2270	8 : 20	8 : 44
Z00 m	NAT-2		2270	8 : 20	8 : 44
Z00 m	NAT-3		2270	8 : 20	8 : 44

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			2270	10 : 05	10 : 37
Z00 m	PPN2-2			2270	10 : 05	10 : 37
Z00 m	PPN2-3			2270	10 : 05	10 : 37
	BLANK		* +100 µL ZnCl			



YYYY

MM

DD

HH

MM

# # #

OPERATOR(S) INITIALS

2024 07 28 8 20

\_STATION-

1 8 6

\_SML

THOMAS HAIZE

Water Collection

Number of dips: 13

Volume Collected (L) 0.85

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)	C-1	2		
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	P-1	2	3	
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	10-1	2	-3	
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	B-1	B-2	-3	

YYYY

MM

DD

HH

MM

# # #

OPERATOR(S) INITIALS

[ ] [ ] [ ] [ ] [ ]

\_STATION-

[ ]

\_SML

[ ]

Water Collection

Number of dips: [ ]

Volume Collected (L) [ ]

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	



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_S-LAB-25-1

OPERATOR(S) ZM

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00	1. 0.28 2. 0.25 3. 0.24		###-Z00 PM-CTRL	mL	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		2270	<input checked="" type="checkbox"/> 30 min. <input type="checkbox"/> min.
Z00		2270 mL	Z00 R02 m	###-Z00 HP-2		<input type="checkbox"/> 30 min <input type="checkbox"/> min.
			Z00 R03 m	###-Z02 HP-3		<input type="checkbox"/> 30 min <input type="checkbox"/> min.
			Z02 R01 m	###-Z02 HP		<input type="checkbox"/> 30 min. <input type="checkbox"/> 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		2270 mL	N° T23-204 Weight 36,486		2270 mL	N° T23-157 Weight 37,738
Z00 R02		2270 mL	N° F73 Weight 36,285		2270 mL	N° T23-242 Weight 35,742
Z00 R03		2270 mL	N° T23-42 Weight 34,052		2270 mL	N° T23-181 Weight 36,861





LOG-SAMPLES\_ 2024 07    YYYY MM DD  
 \_STATION- 1 8 6 # # #  
 \_S-LAB-NET-20

OPERATOR(S) ZH

Net 20  $\mu$ m

- Decknet
- Deployed at sea

SAMPLE SPLITTING	# of cod-ends	Total volume	Aliquots vol.			
	<input 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
<input checked="" type="checkbox"/> S20 Cryo-5mL LN2 #1		<input type="checkbox"/> 200 mL (1/8) <u>70</u> mL	<input type="checkbox"/> 15 mn		<input type="checkbox"/> 200 mL (1/8) <u>70</u> mL	<input 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) <u>70</u> mL				
MB20 Vial-4mL FRZ -20°C		<input checked="" type="checkbox"/> 200 mL (1/8)				
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C		<input checked="" type="checkbox"/> 45 mL			<input checked="" type="checkbox"/> 45 mL	
HG-20 Falcon-15mL FRZ -20°C		<u>800</u>				







LOG-SAMPLES\_

\_STATION-    \_S-LAB-NET-200

OPERATOR(S)

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		<input checked="" type="checkbox"/> 100%	<input checked="" type="checkbox"/> 250 mL			
		<input type="checkbox"/> %	<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
<input checked="" type="radio"/> S200 Cryo-5mL LN2 #1		30	<input type="checkbox"/> 15 min		30	<input type="checkbox"/> 15 min
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo		30				
HG-200 Falcon-15mL FRZ -20°C		300				



	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 04 27 1 8 6

OPERATOR(S) ZH

Régent 680

SAMPLE SPLITTING

NET TOW n° 2

FLOWMETER 45925 52649

NET TOW n° 1

FLOWMETER 38249 45925

1600 mL

PROTOCOLS

Barcode	Fraction of total volume	Bottle volume (mL)	Barcode	Fraction of total volume	Aliquot Volume (mL)
 115562107	<input checked="" type="checkbox"/> 100 %	<input checked="" type="checkbox"/> 250 mL			
	<input type="checkbox"/> %	<input type="checkbox"/> 500 mL			
### EPI F2000	hand-picked #ind=	<input type="checkbox"/> 250 mL			
		<input type="checkbox"/> 500 mL			
			 115562113	<input type="checkbox"/> 100 %	50 mL
				<input type="checkbox"/> %	
			 115562108		1550



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