



YYYY MM DD

LOG_SAMPLES_

2024 07 20

_STATION-

#

1 7 9

_MERCURY

OPERATOR(S)

D. C

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		#303 129,29	1180	10mn	###-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				



E F N

05 FO 180°

D.C

Depth	COMMENTS	
200 m		



LOG_SAMPLES_ YYYY MM DD 2024 07 20

_STATION- # # # 1 7 9 _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 10 L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L 10 L
Z00 R02 m			<input type="checkbox"/> 20L 9 L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L 9 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 type="checkbox"/> 50L 25 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 checked="" type="checkbox"/> 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			<input type="checkbox"/> 50L 15 L	<input checked="" type="checkbox"/> 60 min. 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



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _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
	+ 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 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 of 2 MQ dispenser broken. so we used MQ from water maker ⊕ 2nd MQ system ⚠ not relevant for these protocols, except for cleaning		
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			



YYYY MM DD # # #
 LOG_SAMPLES_ **2024 07 20** _STATION- **1 7 9** _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 type="checkbox"/> 120 min. 1h39		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. 1h39
m		L	min.		L	min.
Z00 R02		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. 1h39		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. 1h39
m		L	min.		L	min.
Z00 R03		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. 1h39		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. 1h39
m		L	min.		L	min.
Z00 R04		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. 1h39		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min. 1h39
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 from water maker ⊕ 2nd MQ system. ↳ Could have an impact on the blank ⚠
Z00	R02 m	*
Z00	R03 m	*
Z00	R04 m	*
Z02	R01 m	⚠ MB320: A broke the filter in the middle (during filtration due to pressure ...)
Z02	R02 m	
Z02	R03 m	
Z02	R04 m	



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _S-LAB-OTHER

2024 07 20 1 7 9

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	112537381	112537373	112537389	112537392	112537394	112537396
Z00	R02 m	112537382	112537374	112537390	112537393	112537395	112537397
Z00	R03 m	112537383	112537375	112537391	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00	R04 m	112537384	112537376	Glycerol prealiquot - RT	<i>I forget to add yellow cap on SG</i>		
Z00	R05 m	112537385	112537377		DGAS 12 mL extainer +4°C	DGAS 12 mL extainer +4°C	DGAS 12 mL extainer +4°C
Z00	R06 m	112537386	112537378		112537342	112537345	112537348
Z00	R07 m	112537387	112537379		112537343	112537346	112537349
Z00	R08 m	112537388	112537380		112537344	112537347	112537350
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	112576004	<input checked="" type="checkbox"/> 30L L	<input type="checkbox"/> 30 min. 25 min.			



LOG_SAMPLES_ YYYY MM DD # # # _STATION- _S-LAB-DECKNET-5
2024 07 20 I 7 9
 OPERATOR(S) THOMAS HAIZE

Depth	Volume filtered (Litres)				
Z00	<input type="checkbox"/> 10 L				
m	6.75 L				
Z02	<input type="checkbox"/> 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					
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

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz
Z00 m	1	07:25	07:33
Z00 m	2	07:25	07:33
Z00 m	3	07:25	7:33

Depth	Natural abundance – TO	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end
Z00 m	NAT-1		500	08:33	08:39
Z00 m	NAT-2		500	08:33	08:39
Z00 m	NAT-3		500	08:33	08:39

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			500	10:55	10:58
Z00 m	PPN2-2			500	10:55	10:58
Z00 m	PPN2-3			506	10:55	10:58

BLANK



* +100 µL ZnCl



YYYY MM DD HH MM

2024 07 20 08 50

#

1 7 9

_STATION-

_SML

OPERATOR(S) INITIALS

THOMAS HAIZE

Water Collection

Number of dips: 13

Volume Collected (L) 0.80

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

YYYY MM DD HH MM

#

_STATION-

_SML

OPERATOR(S) INITIALS

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	



YYYY MM DD # # #
 LOG_SAMPLES_ 2024 07 20 _STATION- J 7 9 _S-LAB-25-1
 OPERATOR(S) Z.M

Depth	Turbidimeter (FNU)	PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)		
Z00 m	1. 1.56 2. 1.37 3. 1.46		400 mL	N° F74 Weight 36,884 <i>→ seawater</i>		
Z02 m	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	400 <input type="checkbox"/> 30 min. 4 min.		
Z00 m		400 mL	Z00 R02 m	###-Z00 HP-2 <input type="checkbox"/> 30 min.		
			Z00 R03 m	###-Z02 HP-3 <input type="checkbox"/> 30 min.		
			Z02 R01 m	###-Z02 HP <input type="checkbox"/> 30 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		400 mL	N° F78 Weight 37,200		500 mL	N° F30 Weight 36,148
Z00 R02 m		500 mL	N° F13 Weight 36,836		500 mL	N° T23-243 Weight 35,858
Z00 R03 m		500 mL	N° F75 Weight 36,116		500 mL	N° F100 Weight 37,188



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 07 20 _STATION- 1 7 9 _S-LAB-NET-20
 OPERATOR(S) Z.M

		Net 20 µm		<input checked="" type="checkbox"/> Decknet <input type="checkbox"/> Deployed at sea		
SAMPLE SPLITTING	# of cod-ends <input type="checkbox"/> 1 <input type="checkbox"/> 2	Total volume <input checked="" type="checkbox"/> 1600 mL	Aliquots vol. <input checked="" type="checkbox"/> 200 mL			
PROTOCOLS	Barcode	Aliquot volume (mL)	Filtration time	Barcode	Aliquot volume (mL)	Filtration time
<input checked="" type="radio"/> S20 Cryo-5mL LN2 #1		<input type="checkbox"/> 200 mL (1/8) <u>100</u> mL	<input checked="" type="checkbox"/> 15 mn		<input type="checkbox"/> 200 mL (1/8) <u>75</u> mL	<input checked="" type="checkbox"/> 15 mn
FCAM20 Bottle-250mL LIVE		<input 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>75</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>600</u>				
		<u>200</u> <u>100</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)

2024 07 20 1 7 9 2.M

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



100%

250 mL

50%

500 mL

I divided the biomass
in 2 and took only
50% of the biomass
Because it was too clogged
with algae mucilage.

SAMPLE
SPLITTING

COD-END #2

Total volume

1600 mL

COD-END leakage (torn mesh)
Potentially underestimated biomass

PROTOCOLS

Barcode

Filtered
volume (mL)

Filtration time

Barcode

Filtered
volume (mL)

Filtration time

S200
Cryo-5mL
LN2 #1



75

15 min



75

15 min

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



75

HG-200
Falcon-15mL
FRZ -20°C



600



	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 # # # # #
 2024 07 20 _STATION- 1 7 9 _S-LAB-NET-680
 OPERATOR(S) Z.M

Régent 680

SAMPLE SPLITTING

NET TOW n°
 FLOWMETER FLOWMETER
 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



100 % 250 mL

% 500 mL

F2000
Bottle-250mL
RT >10°C
+
borax/formol

EPI
F2000

hand-picked 250 mL

#ind= 500 mL

S680-L
Falcon-5mL
FRZ -20°C
+ 5mL
Nucleoprotect



100 % mL

%

HG-680
Falcon-15mL
FRZ -20°C





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