



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

2024 03 20 1 1 4
 MG

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		# 4 138,4 mg	3390		###-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				



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _W-LAB-142-1

OPERATOR(S) Cric

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	112545584	112545585	<input type="checkbox"/> 20L <i>16</i> L	<input checked="" type="checkbox"/> 15 min. min.	112545586	<input type="checkbox"/> 20L <i>16</i> L
Z00 R02 m	112545587	112545588	<input type="checkbox"/> 20L <i>16</i> L	<input checked="" type="checkbox"/> 15 min. min.	112545589	<input type="checkbox"/> 20L <i>16</i> 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	112545590	112545591	<input type="checkbox"/> 50L <i>40</i> 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 <i>40</i> 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	112545592	112545593	<input checked="" type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. <i>50</i> min.		
Z02 m	###-Z02 S320-L	###-Z02 S023-L	<input checked="" type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. <i>50</i> 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 Replicate	COMMENTS S02-2K
Z00 R01 m	
Z00 R02 m	
Depth Replicate	COMMENTS < 3 μm
Z00 m	



LOG_SAMPLES_ _STATION- _DECK-BGC

OPERATOR(S)

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			
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			



LCMS

Depth		COMMENTS
Z00	R01 m	#01 LCMS H ₂ O blanks 1.5L used 1.5L LCMS water
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z00	R05 m	
Z00	m	



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _W-LAB-142-SS-2

OPERATOR(S) 3UF

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 R01 m		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min
Z00 R02 m		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min
Z00 m		4L <input type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min		4L <input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> 30 min
Z02 R01 m	###-Z02 MB320-SS-1	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min	###-Z02 MB033-SS-1	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min
Z02 R02 m	###-Z02 MB320-SS-2	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min	###-Z02 MB033-SS-2	<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min
Z02 m	###-Z02 MB320-H2O	2L <input type="checkbox"/> 16L	<input type="checkbox"/> 30 min	###-Z02 MB033-H2O	2L <input type="checkbox"/> 16L	<input type="checkbox"/> 30 min

COMMENTS



Depth Replicate	COMMENTS MB320-SS	COMMENTS MB033-SS
Z00 R01 m	For MB320 & MB033 with	H ₂ O blanks 1 filtered
Z00 R02 m	4 L MQW.	
Z00 R03 m		
Z02 R01 m		
Z02 R02 m		
Z02 R03 m		
Depth	COMMENTS LCMS	
Z00 m		
Z02 m		



LOG_SAMPLES_ 2024 03 20 _STATION- 1 1 4 _S-LAB-OTHER

OPERATOR(S) ANNA

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	112545617	112545625	112545633	112545636	112545679	112545681
Z00	R02 m	112545618	112545626	112545634	112545637	112545680	112545682
Z00	R03 m	112545619	112545627	112545635	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at - 20°C
Z00	R04 m	112545620	112545628	Glycerol prealiquot - RT			
Z00	R05 m	112545621	112545629		DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
Z00	R06 m	112545622	112545630		112545705	112545708	112545711
Z00	R07 m	112545623	112545631		112545706	112545709	112545712
Z00	R08 m	112545624	112545632		112545707	112545710	112545713
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	112580425	<input checked="" type="checkbox"/> 30L 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 extainer +4°C	DGAS 12 mL extainer +4°C	DGAS 12 mL extainer +4°C
					###-Z02 DGAS-1	###-Z02 DGAS-2	###-Z02 DGAS-3
					+ 100 µL ZnCl ²	+ 100 µL ZnCl ²	+ 100 µL ZnCl ²

COMMENTS



LOG_SAMPLES_

YYYY	MM	DD
2024	03	20

 _STATION-

#	#	#
1	1	4

 _S-LAB-DECKNET-5

OPERATOR(S)

ANNA

Depth	Volume filtered (Litres)				
Z00	<input type="checkbox"/> 10 L				
m	5 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	112545677	112545678	112545638	112545639
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
2024	03	20

 _STATION-

#	#	#
1	1	4

 _PPN2-PPN2exe

OPERATOR(S)

ANNA

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz
Z00 m	1	14 : 10	14 : 15
Z00 m	2	14 : 09	14 : 14
Z00 m	3	14 : 08	14 : 13

Depth	Natural abundance – T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end
Z00 m	NAT-1		1980	12 : 50	14 : 15
Z00 m	NAT-2		2270	12 : 50	13 : 30
Z00 m	NAT-3		2270	12 : 50	14 : 00

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	13 : 43	14 : 23
Z00 m	PPN2-2			2000	13 : 43	14 : 25
Z00 m	PPN2-3			1850	13 : 43	14 : 30
	BLANK		* +100 µL ZnCl			

QR Code	YYYY	MM	DD	HH	MM	#	#	#	OPERATOR(S) INITIALS
	2024	03	20	07	00	1	1	4	JOB / FW

Water Collection		Number of dips:	Volume Collected (L)		
		6	0.5 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-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)				
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)		2	3	~ 150 ml
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)		2	3	~ 150 ml

YYYY	MM	DD	HH	MM	#	#	#	OPERATOR(S) INITIALS
2024	03	20	09	00	1	1	4	JOB / FW

Water Collection		Number of dips:	Volume Collected (L)		
		6	0.5 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-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)			3	
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	1	2	3	~ 150 ml
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)		1	3	~ 150 ml





YYYY: 2024 MM: 03 DD: 20 HH: 13 MM: 00 # # # OPERATOR(S) INITIALS: JOB / FW
 _STATION- _SML

Water Collection		Number of dips: 8		Volume Collected (L) 0.5 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-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)					
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)				~ 150 ml	
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)				~ 150 ml	

YYYY: 2024 MM: 03 DD: 20 HH: 17 MM: 00 # # # OPERATOR(S) INITIALS: JOB / FW
 _STATION- _SML

Water Collection		Number of dips: 8		Volume Collected (L) 0.475 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-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)					
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	1	2	3	~ 150 ml	
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)		2		~ 150 ml	



QR	YYYY	MM	DD	HH	MM	#	#	#	OPERATOR(S) INITIALS
	2024	03	20	21	00				JOB / FW
						_STATION-		_SML	

Water Collection		Number of dips: 8			Volume Collected (L) 0.475L		
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)				~ 150ml		
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)				~ 150ml		

YYYY	MM	DD	HH	MM	#	#	#	OPERATOR(S) INITIALS
2024	03	21	01	00				JOB / FW
						_STATION-		_SML

Water Collection		Number of dips: 8			Volume Collected (L) 0.6L		
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)				~ 150ml		
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)				~ 150ml		



~ 130 m

8

0.85



LOG_SAMPLES_ 2024 03 20 _STATION- 1 1 54 _S-LAB-25-1

OPERATOR(S) EMMANUELLE MARTINI

Depth	Turbidimeter (FNU)	PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)		
Z00 m	1. 0.54 2. 0.77 1.26 3. 0.65	###-Z00 PM-CTRL	mL	N° Weight		
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	 1080 <input type="checkbox"/> 30 min. 15 min.		
Z00 m		1080 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 m		1080 mL	N° TE 123 Weight 37.465		1080 mL	N° TE 270 Weight 37.478
Z00 R02 m		1080 mL	N° TE 012 Weight 36.617		1080 mL	N° TE 189 Weight 37.111
Z00 R03 m		1080 mL	N° TE 248 Weight 37.100		1080 mL	N° TE 093 Weight 35.848



Depth Replicate	COMMENTS PM	COMMENTS FOI
Z00 R01 m		
Z00 R02 m		
Z00 R03 m		

Depth Replicate	COMMENTS PA - HP
Z00 m	
Z02 m	



LOG-SAMPLES_ 2024 03 20 _STATION- 1 1 4 _S-LAB-NET-20

OPERATOR(S) EMMANUELE MARTINS

YYYY MM DD

#

Net 20 µm



Decknet



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 type="checkbox"/> 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) 160 mL	<input type="checkbox"/> 15 mn 08 mn		<input type="checkbox"/> 200 mL (1/8) 160 mL	<input type="checkbox"/> 15 mn 08 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) 160 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						



	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) **EMMANUELLE . M**

2024 03 20 1 1 4

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



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



20 mL

15 min



20mL

15 min

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



15mL

HG-200
Falcon-15mL
FRZ -20°C



350mL



	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F200 Bottle-250mL RT >10°C		
SAMPLE SPLITTING		
PROTOCOLS		
S200 Cryo-5mL LN2 #1	Algae soup. Clogged filter	Algae soup. Clogged filter
S200-L Falcon-5mL FRZ -20°C		



LOG-SAMPLES_ YYYY MM DD
2024 03 20

_STATION- # # #
1 1 4 _S-LAB-NET-680

OPERATOR(S) EMMANUELE MARTINS

Régent 680

NET TOW n° 2

SAMPLE SPLITTING

FLOWMETER NET TOW n°
41 135 1 42 382

FLOWMETER NET TOW n°
 Total volume 42 382 44 861
 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

~~### EPI~~



100 % 15 mL
 %

HG-680
Falcon-15mL
FRZ -20°C



1500 mL



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