



LOG_SAMPLES_ YYYY MM DD # # # _STATION- _MERCURY

OPERATOR(S)

2024 05 31 1 5 5 JC

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		#31 123,8	2200	30	###-Z00 f.THg
Z02 m	###-Z02 p.THg		↑ 2200		###-Z02 f.THg
Depth	uf.THg 40-mL glass bottle RT				
Z00 m	###-Z00 uf.THg				
Z02 m	###-Z02 uf.THg				



201 10 31 2024
 32

Depth	COMMENTS	
200 m		
	<p>2000</p>	
	<p>2000</p>	



LOG_SAMPLES_ 2024 05 31 _STATION- 1 5 5 _W-LAB-142-1

OPERATOR(S) OB

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			<input type="checkbox"/> 20L <u>10</u> L	<input type="checkbox"/> 15 min. <u>13</u> min.		<input type="checkbox"/> 20L <u>6</u> L
Z00 R02			<input type="checkbox"/> 20L <u>16</u> L	<input type="checkbox"/> 15 min. <u>13</u> min.		<input type="checkbox"/> 20L <u>6</u> L
Z02 R01	###-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	###-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			<input type="checkbox"/> 50L <u>10</u> L	<input type="checkbox"/> 60 min. <u>15</u> min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2	
Z02	###-Z02 P320	###-Z02 P023	<input type="checkbox"/> 50L L	<input 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			<input type="checkbox"/> 50L <u>25</u> L	<input type="checkbox"/> 60 min. <u>40</u> min.		
Z02	###-Z02 S320-L	###-Z02 S023-L	<input type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. min.		



Depth Replicate	COMMENTS S###
Z00 R01 m	} S < 0,2 2 filter per replicat.
Z00 R02 m	
Z02 R01 m	
Z02 R02 m	
Depth	COMMENTS P###
Z00 m	Filter saturated rapidly
Z02 m	
Depth	COMMENTS S###L
Z00 m	Filter saturated rapidly 2 filters ① 10 litres ② 15 litres
Z02 m	



YYYY MM DD

LOG_SAMPLES_

2024 05 31

_STATION-

1 5 5

_W-LAB-142-1

OPERATOR(S)

OB

Blank before Station

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 <i>Blank</i> m			<input type="checkbox"/> 20L <i>SL n.l.i.a</i>	<input type="checkbox"/> 15 min. min.	###-Z00 S<02-1	<input type="checkbox"/> 20L L
Z00 R02 <i>Blank</i> m			<input type="checkbox"/> 20L <i>SL n.l.i.a</i>	<input type="checkbox"/> 15 min. min.	###-Z00 S<02-2	<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	P320 Cryo-5mL LN2 #1	P023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	< 0.2 µm	
Z00 m	###-Z00 P320	###-Z00 P023	<input type="checkbox"/> 50L L	<input 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	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 <i>Blank</i> m			<input type="checkbox"/> 50L <i>SL n.l.i.a</i>	<input 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) Lia

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	lots of roll, hard to keep tubes stable, possible source of contamination		possible source
Z00	R02 m			
Z00	R03 m			
Z02	R01 m			
Z02	R02 m			
Z02	R03 m			



YYYY MM DD # # #
 LOG_SAMPLES_ **2024** **05** **31** _STATION- **1** **5** **5** _TARDIS-SCP
 OPERATOR(S) **Lia**

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	The day before we removed the rust from tripods and did a thorough clean with 10L FW, 10L TiO ₂ , 10L TiO ₂ but some steel wool (very little) was present on the TIB033 filter.
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z02	R01 m	
Z02	R02 m	
Z02	R03 m	
Z02	R04 m	



LOG_SAMPLES_ 2024 05 31 _STATION- 1 5 5 _S-LAB-OTHER

OPERATOR(S) FALCINI FEDERICO

Depth Replicates	HC ^{RT} Cryo-5mL LN2 #1	HC-G ^{RT} Cryo-5mL LN2 #1	CP-G ^{RT} Cryo-5mL LN2 #1	SG ^{Fridge} Cryo-5mL LN2 #1	FC-P ^{-20°C} Cryo-2mL LN2 #3	FC-G ^{-20°C} 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 checked="" type="checkbox"/> 30L L	<input checked="" type="checkbox"/> 30 min. min.			



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _S-LAB-DECKNET-5

OPERATOR(S) **FALCINI FEDERICO**

Depth	Volume filtered (Litres)				
Z00	<input type="checkbox"/> 10 L				
m	9,75 L				
Z02	<input type="checkbox"/> 10 L				
m	9,75 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 FM5-1	### Z02 FM5-2	### Z02 SG5-1	### Z02 SG5-2
Z02				
m				

They were supposed to be the SG-5 but we don't find the tubes during station.

*pre-aliquoted 5 mL PFA/GLUT store at -20°C

* pre-aliquoted Glycine betaine store at 4°C



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 ²	+ 100 µL ZnCl ²	+ 100 µL ZnCl ²	
COMMENTS								



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

OPERATOR(S) **FALCINI FEDERICO**

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz
Z00 m	1	12 : 25	12 : 25
Z00 m	2	12 : 25	12 : 25
Z00 m	3	12 : 25	12 : 25

Depth	Natural abundance - T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time - start	Filtration time - end
Z00 m	NAT-1		720	13 : 10	13 : 40
Z00 m	NAT-2		470	13 : 10	13 : 45
Z00 m	NAT-3		450	13 : 10	13 : 55

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			400	14 : 40	14 : 56
Z00 m	PPN2-2			350	14 : 40	14 : 56
Z00 m	PPN2-3			450	14 : 40	15 : 00

BLANK



* +100 µL ZnCl



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LOG_SAMPLES_

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_STATION-

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_S-LAB-25-1

OPERATOR(S)

BATTISTELLA Aude

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00	1. 1,07 2. 0,94 3. 0,98		###-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	112524539	635	<input type="checkbox"/> 30 min. 47 min.
Z00	112524540	920 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	112524541	635 mL	N° T23-15 Weight 37,786	112524544	635 mL	N° T23-95 Weight 37,033
Z00 R02 m	112524542	635 mL	N° T23-99 Weight 37,137	112524545	635 mL	N° T23-47 Weight 36,625
Z00 R03 m	112524543	635 mL	N° TE225 Weight 37,418	112524546	635 mL	N° T23-91 Weight 36,528



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 31

_STATION-

1 5 5

_S-LAB-NET-20

OPERATOR(S)

BATTISTELLA Aude

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



200 mL (1/8)
60 mL

15 mn



200 mL (1/8)
60 mL

15 mn

FCAM20
Bottle-250mL
LIVE



200 mL (1/8)

E20
Falcon-15mL
+ 15mL ETOH
FRZ -20°C



200 mL (1/8)

S20-L
Falcon-5mL
FRZ -20°C
+ 5 mL
NucleoProtect



200 mL (1/8)
95 mL

MB20
Vial-4mL
FRZ -20°C



200 mL (1/8)

FM20
Falcon-50mL
FRG +4°C
Prealiquoted
PFA+GLUTA
store at -20°C



45 mL



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

2024 05 31 1 5 5

OPERATOR(S) **BATTISTELLA Aude**

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



15 mL



15 min



15



15 min

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



20 mL

HG-200
Falcon-15mL
FRZ -20°C



1400



	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) BAMSTELLA Aude

Régent 680

SAMPLE SPLITTING	NET TOW n° 1		NET TOW n° 2		FLOWMETER	
	FLOWMETER	Total volume	FLOWMETER	Total volume	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 %	10 mL
					0,63 %	
HG-680 Falcon-15mL FRZ -20°C						1590

