



YYYY MM DD # # #  
 LOG\_SAMPLES\_ 2024 04 30 \_STATION- 1 3 8 \_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		#61 133,78	1740	18	###-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	
200  m		
	81	



YYYY MM DD # # #  
 LOG\_SAMPLES\_ 2024 04 30 \_STATION- 138 \_W-LAB-142-1  
 OPERATOR(S) Christian ~~JEANTHON~~ JEANTHON

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 8 L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L 8 L
Z00 R02 m			<input type="checkbox"/> 20L 8 L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L 8 L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	<input type="checkbox"/> 20L 2420 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 2420 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 * x 15 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 * x 15 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 2 x 15 L	<input type="checkbox"/> 60 min. min.	2 filters / Falcon tube	
Z02 m	###-Z02 S320-L	###-Z02 S023-L	<input type="checkbox"/> 50L 2 x 15 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) Florian Trigodet

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 <sub>2</sub>	
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			





YYYY MM DD      # # #  
 LOG\_SAMPLES\_         \_STATION-         \_TARDIS-SCP-SS  
 OPERATOR(S)

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 m		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min
Z00 R02 m		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min
Z00 R03 m		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min
Z00 R04 m		<input checked="" type="checkbox"/> 2L	<input checked="" type="checkbox"/> 120 min		<input type="checkbox"/> 1.5L	<input type="checkbox"/> 100 min
Z00 R05 m		<input checked="" type="checkbox"/> 2L	<input type="checkbox"/> 120 min			
Z00 m		<input type="checkbox"/> 1.5L	<input type="checkbox"/> 100 min			



## LCMS

Depth		COMMENTS
Z00	R01 m	
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z00	R05 m	
Z00	m	LCMS water missing for blanks. Blank #13 and PPL will be done at a later date.



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_W-LAB-142-SS-2

OPERATOR(S) Florian Trigadet

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		<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
Z00	R02		<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
Z00			<input checked="" type="checkbox"/> 4L	<input checked="" type="checkbox"/> 10 min		<input checked="" type="checkbox"/> 4L	<input checked="" type="checkbox"/> 10 min
	m		L	min		L	min
Z02	R01		<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min		<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min
	m		L	min		L	min
Z02	R02		<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min		<input type="checkbox"/> 16L	<input type="checkbox"/> 30 min
	m		L	min		L	min
Z02			<input type="checkbox"/> 4L	<input type="checkbox"/> 10 min		<input type="checkbox"/> 4L	<input type="checkbox"/> 10 min
	m		L	min		L	min

COMMENTS




Depth Replicate	COMMENTS MB320-SS	COMMENTS MB033-SS
Z00 R01 m		
Z00 R02 m		
Z00 R03 m		
Z02 R01 m		
Z02 R02 m		
Z02 R03 m		
Depth	COMMENTS LCMS	
Z00 m		
Z02 m		



LOG\_SAMPLES\_ YYYY MM DD # # # # #  
 2024 04 30 \_STATION- 1 3 8 \_S-LAB-OTHER  
 OPERATOR(S) **Guil Lou 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						
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 <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>	+ 100 µL ZnCl <sup>2</sup>
Depth Replicate		eDNA Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)	+ 50 mL of buffer	< 0.45 µm	
Z00	m		<input type="checkbox"/> 30L L	<input checked="" type="checkbox"/> 30 min. min.			

Tank ouvert  
→ pas de filtration  
du volume



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>

COMMENTS



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- # # # \_S-LAB-DECKNET-5

OPERATOR(S) GIULIO LAURE

Depth	Volume filtered (Litres)				
Z00	<input type="checkbox"/> 10 L				
m	8 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



Depth		COMMENTS SG5
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Z00	R01	
	m	

Z00	R02	
	m	

Depth		COMMENTS FM5
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Z00	R01	
	m	

Z00	R02	
	m	





LOG\_SAMPLES\_ YYYY MM DD # # #  
 2024 04 30 \_STATION- 1 3 8 \_PPN2-PPN2exe  
 OPERATOR(S) **Guillev LAPE**

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz			
Z00 m	1	9:00	9:00			
Z00 m	2	9:00	9:00			
Z00 m	3	9:00	9:00			

Depth	Natural abundance – T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end	
Z00 m	NAT-1		635	9:40	10:00	
Z00 m	NAT-2		635	9:40	10:00	
Z00 m	NAT-3		635	9:40	10:00	

24h (+/- 30min) later ~~PPN2exe~~

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	11:30	12:00
Z00 m	PPN2-2			500	11:30	12:00
Z00 m	PPN2-3			500	11:30	12:00
	BLANK		* +100 µL ZnCl			



Depth	COMMENTS
	Δ PPN2 Exc <sup>m</sup> pris 1h00 Après ouverture de bouteilles pour la filtration PPN2.



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

OPERATOR(S) RANINI Romain

2024 04 30 1 3 8

Depth	Turbidimeter (FNU)	PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)		
Z00	1. 1.25 2. 1.43 3. 1.52	###-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	<input checked="" type="checkbox"/> 30 min. 19 min.		
Z00		635 mL	Z00 R02 m	<input type="checkbox"/> 30 min min.		
			Z00 R03 m	<input type="checkbox"/> 30 min min.		
			Z02 R01 m	<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		635 mL	N° TE341 Weight 37.312		635 mL	N° TE 282 Weight 37.290
Z00 R02		635 mL	N° TE021 Weight 35.695		635 mL	N° TE209 Weight 36.611
Z00 R03		635 mL	N° TE 180 Weight 37.445		635 mL	N° TE 398 Weight 37.454



Depth Replicate	COMMENTS PM	COMMENTS FOI
Z00 R01 m		a fly stepped on the sieve during the filtration
Z00 R02 m		
Z00 R03 m		

Depth Replicate	COMMENTS PA - HP
Z00 m	
Z02 m	



LOG-SAMPLES\_ YYYY MM DD # # # \_STATION- \_S-LAB-NET-20

OPERATOR(S)

2024 04 30 1 3 8

RANINI Romain

Decknet  
 Deployed at sea

Net 20 µm

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
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● S20 Cryo-5mL LN2 #1		<input type="checkbox"/> 200 mL (1/8)	<input checked="" type="checkbox"/> 15 mn		<input type="checkbox"/> 200 mL (1/8)	<input checked="" type="checkbox"/> 15 mn
		80 mL			100 mL	

FCAM20 Bottle-250mL LIVE		<input type="checkbox"/> 200 mL (1/8)
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E20 Falcon-15mL + 15mL ETOH FRZ -20°C		<input checked="" type="checkbox"/> 200 mL (1/8)
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S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect		<input type="checkbox"/> 200 mL (1/8)	250 mL
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MB20 Vial-4mL FRZ -20°C		<input checked="" type="checkbox"/> 200 mL (1/8)
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FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C		<input type="checkbox"/> 45 mL		<input type="checkbox"/> 45 mL
		<input checked="" type="checkbox"/> 15 mL		<input checked="" type="checkbox"/> 15 mL

HG-20 Falcon-15mL FRZ -20°C	
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YYYY MM DD  
 LOG-SAMPLES\_ **2024 04 30** \_STATION- **1 3 8** \_S-LAB-NET-200  
 OPERATOR(S) **RAJINI Romain**

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"/> 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		60 mL	<input type="checkbox"/> 15 min 17 min		35 mL	<input checked="" type="checkbox"/> 15 min
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo		55 mL	45'			
HG-200 Falcon-15mL FRZ -20°C		1200 mL				



	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		
H6200	remaining organic matter stuck in the sieve	





LOG-SAMPLES\_ YYYY MM DD # # # \_STATION- \_S-LAB-NET-680

2024 04 30 1 3 8

OPERATOR(S) RANINI Romain

Régent 680

SAMPLE SPLITTING

NET TOW n° 1

FLOWMETER 41014 41888

NET TOW n° 2

FLOWMETER 41889 42747

1600 mL

PROTOCOLS

F680  
Bottle-250mL  
RT >10°C  
+  
Borax/Formol



Barcode	Fraction of total volume	Bottle volume (mL)
<input checked="" type="checkbox"/>	100 %	<input checked="" type="checkbox"/> 250 mL
<input type="checkbox"/>	%	<input type="checkbox"/> 500 mL

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

### EPI  
F2000

Barcode	Fraction of total volume	Aliquot Volume (mL)
<input type="checkbox"/>	hand-picked	<input type="checkbox"/> 250 mL
<input type="checkbox"/>	#ind=	<input type="checkbox"/> 500 mL

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



Barcode	Fraction of total volume	Aliquot Volume (mL)
<input checked="" type="checkbox"/>	100 %	70 mL
<input type="checkbox"/>	%	

HG-680  
Falcon-15mL  
FRZ -20°C



1400 mL

