



LOG\_SAMPLES\_ YYYY MM DD # # # \_STATION- \_MERCURY  
2024 07 22 1 8 2  
 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				 115561894
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	 112537876	#306 130,15	5105	35	###-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\_ **2024 07 22** \_STATION- **1 8 2** \_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 <b>17</b> L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L <b>12</b> L
Z00 R02 m			<input type="checkbox"/> 20L <b>17</b> L	<input checked="" type="checkbox"/> 15 min. min.		<input type="checkbox"/> 20L <b>12</b> L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	<input type="checkbox"/> 20L L	<input type="checkbox"/> 15 min. min.	<i>↳ see comment behind</i> ###-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 <b>35</b> 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 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 checked="" type="checkbox"/> 50L <b>30</b> 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	<i>SCO2 -1 and -2 =&gt; stayed 20h at Room Temperature (≈ 28°-30°C)</i>
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					
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	* One out of 2 MQ dispenser broken so we used MQ water from water maker @ 2nd MQ system ↳ impact cleaning @ blank?		
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  
2024 07 22 1 8 2  
 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"/> <sup>(33)</sup> 30 min.		<input checked="" type="checkbox"/> 16L	<input checked="" type="checkbox"/> <sup>(33)</sup> 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 ⊕ blank
Z00	R02 m	*
Z00	R03 m	*
Z00	R04 m	*
Z02	R01 m	*
Z02	R02 m	*
Z02	R03 m	
Z02	R04 m	





LOG\_SAMPLES\_ **2024 07 22** \_STATION- **1 8 2** \_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						
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 checked="" type="checkbox"/> 30L L	<input type="checkbox"/> 30 min. 23 min.			





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	13:18	13:27
Z00 m	2	13:18	13:27
Z00 m	3	13:18	13:27

Depth	Natural abundance - T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time - start	Filtration time - end
Z00 m	NAT-1		1500	15:10	15:31
Z00 m	NAT-2		1500	15:10	15:31
Z00 m	NAT-3		1500	15:10	15:30

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			1500	17:20	17:50
Z00 m	PPN2-2			1500	17:20	18:50
Z00 m	PPN2-3			1500	17:20	17:50

BLANK



\* +100 µL ZnCl



YYYY MM DD HH MM  
 2024 07 22 15 35

# # #  
 \_STATION- 1 8 2 \_SML

OPERATOR(S) INITIALS  
 THOMAS HAIZE

Water Collection		Number of dips:	Volume Collected (L)			Comments
Protocol	Quantity, Container Storage	Replicate 1	Replicate 2	Replicate 3		
SML-FC	Cryotube (2ml) 1.5ml sample + 30 µl Glute 25% LN2 (-80°C)	112537447	112537448			
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	112537449	112537450	112537451		
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	112537452	112537453	112537454		
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	112537455	112537456	112537457		

YYYY MM DD HH MM  
 [ ] [ ] [ ] [ ] [ ]

# # #  
 \_STATION- [ ] \_SML

OPERATOR(S) INITIALS  
 [ ]

Water Collection		Number of dips:	Volume Collected (L)			Comments
Protocol	Quantity, Container Storage	Replicate 1	Replicate 2	Replicate 3		
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\_ **2024 07 22** STATION- **1 8 2** \_S-LAB-25-1

OPERATOR(S) **ZH**

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00	1. 0.29 2. 0.29 3. 0.49		###-Z00 PM-CTRL	mL	N° Weight	
Z02	1. 2. 3.		<b>TRIPPLICATES ONCE A MONTH FOR HP</b>	HP Cryo-2mL LN2 #3	Filtration Volume (mL) Filtration Duration (minutes)	
Depth	PA Petridish FRZ -20°C	Filtration Volume (mL)	Z00 R01	112537860	<input type="checkbox"/> 30 min. <b>1280</b> <input type="checkbox"/> 18 min.	
Z00	115561881	<b>1080</b> mL	Z00 R02	###-Z00 HP-2	<input type="checkbox"/> 30 min. min.	
			Z00 R03	###-Z02 HP-3	<input type="checkbox"/> 30 min. min.	
			Z02 R01	###-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	115561875	<b>1080</b> mL	N° T23-237 Weight <b>36,669</b>	115561878	<b>1080</b> mL	N° T23-249 Weight <b>36,507</b>
Z00 R02	115561876	<b>1080</b> mL	N° T23-231 Weight <b>35,947</b>	115561879	<b>1080</b> mL	N° T23-171 Weight <b>37,142</b>
Z00 R03	115561877	<b>1080</b> mL	N° F89 Weight <b>37,020</b>	115561880	<b>1080</b> mL	N° T23-235 Weight <b>35,898</b>



S 8 N

SS FO USaS

MS

Depth Replicate	COMMENTS PM	COMMENTS FOI
Z00 R01 m		25.0 25.0 20.0
Z00 R02 m		
Z00 R03 81 m	0801	
		0801
Depth Replicate	COMMENTS PA - HP	
Z00 205.55T 207.25 m	0801	F85.55T 200.25 0801
Z02 171.85T 201.45 m	0801	185.85T F100.25 0801
285.55T 287.25	0801	287 280.45 0801



LOG-SAMPLES\_    \_STATION-    \_S-LAB-NET-20

OPERATOR(S)

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="radio"/> S20 Cryo-5mL LN2 #1		<input type="checkbox"/> 200 mL (1/8) <b>50</b> mL	<input type="checkbox"/> 15 mn		<input type="checkbox"/> 200 mL (1/8) <b>50</b> mL	<input 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) <b>50</b> 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		<b>400</b>					



S 8 L

SS FO JSOS

MF

COMMENTS

COMMENTS

SAMPLE  
SPLITTING

PROTOCOLS

S20  
Cryo-5mL  
LN2 #1

oc

oc

FCAM20  
Bottle-250mL  
LIVE

E20  
Falcon-15mL  
FRZ -20°C

S20-L  
Falcon-5mL  
FRZ -20°C

oc

MB20  
Vial-4mL  
FRZ -20°C

FM20  
Falcon-50mL  
FRG +4°C