



YYYY MM DD # # #
 LOG_SAMPLES_ **2024 07 25** _STATION- **1 8 4** _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				 115561969
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	 112537936	# 308 125,22	6860	40	###-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				



25 60 250



LOG_SAMPLES_

YYYY MM DD
2014 07 25

_STATION-

1 8 4

_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	 112537956	 112537958	<input type="checkbox"/> 20L 22 L	<input checked="" type="checkbox"/> 15 min. min.	 112537960	<input type="checkbox"/> 20L 17 L
Z00 R02 m	 112537957	 112537959	<input type="checkbox"/> 20L 22 L	<input checked="" type="checkbox"/> 15 min. min.	 112537961	<input type="checkbox"/> 20L 22 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	 112537962	 112537963	<input type="checkbox"/> 50L 45 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 45 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	 115562016	 115562017	<input checked="" type="checkbox"/> 50L L	<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	#	#	#
	2024	07	25	_STATION-		1 8 4 _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	 112576115	 112576116	 112576117		 115561968	 115561842
Z02 m	 115561972	 115561973	 115561974		###-Z02 DICTA	###-Z02 SAL
+ 150 µl HCl						
Depth	CDOM/FDOM Bottle-60mL FRG +4°C	DOC Vial-40mL FRG +4°C	NUT Bottle-60mL FRZ -20°C			
Z00 R01 m	 112576118	 112576121	 112576124			
Z00 R02 m	 112576119	 112576122	 112576125			
Z00 R03 m	 112576120	 112576123	 112576126			
Z02 R01 m	 115561975	 115561976	 115561981			
Z02 R02 m	 115561978	 115561979	 115561982			
Z02 R03 m	 115561977	 115561980	 115561983			
+ 150 µl HCl						



Depth	COMMENTS TOC		COMMENTS DICTA	COMMENTS SAL
Depth Replicate	COMMENTS CDOM/FDOM		COMMENTS DOC	COMMENTS NUT
Z00 m	* One out of 2 MQ dispenser broken so we used MQ water from water maker + 2nd MQ system ↳ impact cleaning + blank on all samples			
Z02 m				
Z00 R01 m	*		*	*
Z00 R02 m				
Z00 R03 m				
Z02 R01 m				
Z02 R02 m				
Z02 R03 m				



LOG_SAMPLES_

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2024

07

25

_STATION-

1 8 4

_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 m	R01 112576131	<input checked="" type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.	112576127	<input checked="" type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.
Z00 m	R02 112576132	<input checked="" type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.	112576128	<input checked="" type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.
Z00 m	R03 112576133	<input checked="" type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.	112576129	<input checked="" type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.
Z00 m	R04 112576134	<input checked="" type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.	112576130	<input checked="" type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.
Z02 m	R01 115561983	<input checked="" type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.	115561984	<input checked="" type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.
Z02 m	R02 115561989	<input type="checkbox"/> 2L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 120 min. min.	115561985	<input type="checkbox"/> 2L <input type="checkbox"/> L	<input type="checkbox"/> 120 min. min.
Z02 m	R03 115561990	<input type="checkbox"/> 2L <input type="checkbox"/> L	<input type="checkbox"/> 120 min. min.	115561986	<input type="checkbox"/> 2L <input type="checkbox"/> L	<input type="checkbox"/> 120 min. min.
Z02 m	R04 115561991	<input type="checkbox"/> 2L <input type="checkbox"/> L	<input type="checkbox"/> 120 min. min.	115561987	<input type="checkbox"/> 2L <input type="checkbox"/> L	<input type="checkbox"/> 120 min. 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 m	112576135	<input checked="" type="checkbox"/> 16L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 30 min. min.	112576136	<input checked="" type="checkbox"/> 16L <input type="checkbox"/> L	<input checked="" type="checkbox"/> 30 min. min.
Z02 m	115561993	<input type="checkbox"/> 16L <input type="checkbox"/> L	<input type="checkbox"/> 30 min. min.	115561993	<input type="checkbox"/> 16L <input type="checkbox"/> L	<input type="checkbox"/> 30 min. min.



Depth		COMMENTS
ZOO	R01	* One out of 2 MQ dispenser broken so we used MQ water from water maker + 2nd MQ system ↳ impact cleaning + blank on all samples
ZOO	R02	*
ZOO	R03	*
ZOO	R04	*
Z02	R01	
Z02	R02	
Z02	R03	
Z02	R04	



LOG_SAMPLES_

YYYY MM DD

2024 07 25

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_STATION-

1 8 4

_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	 112537630	 112537638	 112537695	 112537698	 112537700	 112537702
Z00 R02 m	 112537631	 112537639	 112537696	 112537699	 112537701	 112537703
Z00 R03 m	 112537632	 112537640	 112537697	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at - 20°C
Z00 R04 m	 112537633	 112537641	Glycerol prealiquot - RT			
Z00 R05 m	 112537634	 112537642		DGAS 12 mL extainer +4°C	DGAS 12 mL extainer +4°C	DGAS 12 mL extainer +4°C
Z00 R06 m	 112537635	 112537643		 112537921	 112537924	 112537927
Z00 R07 m	 112537636	 112537644		 112537922	 112537925	 112537928
Z00 R08 m	 112537637	 112537645		 112537923	 112537926	 112537929
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	 115561825	<input checked="" type="checkbox"/> 30L	<input type="checkbox"/> 30 min.			
		L	23	min.		



Depth Replicates	<input type="radio"/> CP-G Cryo-5mL LN2 #1	<input checked="" type="radio"/> SG Cryo-5mL LN2 #1	<input type="radio"/> FC-P Cryo-2mL LN2 #3	<input type="radio"/> 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 pre aliquot at 4°C	PFA pre aliquot at -20°C	Glutaraldehyde pre aliquot at - 20°C		
Pre aliquot	Glycerol pre aliquot - 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



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LOG_SAMPLES_ 2024 07 25 _STATION- 1 8 4 _S-LAB-DECKNET-5
OPERATOR(S) THOMAS HAIZE

Depth	Volume filtered (Litres)				
Z00	10 L				
m	L				
Z02	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	 112537577	 112537578	 112537579	 112537580	
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	
Z00	R01	m
Z00	R02	m
Depth	COMMENTS	
	FM5	
Z00	R01	m
Z00	R02	m



YYYY MM DD HH MM

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OPERATOR(S) INITIALS

2024 07 25

_STATION-

184

_SML

HAIZE THOMAS

Water Collection

Number of dips: 14

Volume Collected (L)

0.85

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)	112537425 P-1	112537426 C-2		
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	112537427 P-1	112537428 P-2	112537429 P-3	
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	112537430 P-1	112537431 P-2	112537432 P-3	
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	112537433 P-1	112537434 23-2	112537435 23-3	

YYYY MM DD HH MM

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OPERATOR(S) INITIALS

_STATION-

_SML

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	





LOG_SAMPLES_	YYYY	MM	DD	#	#	#
2024	07	25		1	8	4
OPERATOR(S) THOMAS HAIZE				_PPN2-PPN2exe		

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz			
z00	1 m	16:56	7 : 00			
z00	2 m	16:56	7 : 00			
z00	3 m	6 : 56	7 : 00			
Depth	Natural abundance – T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end	
z00	NAT-1 m	112537537	2270	8 : 48	9 : 08	
z00	NAT-2 m	112537538	2270	8 : 48	9 : 09	
z00	NAT-3 m	112537539	2270	8 : 48	9 : 09	

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	PPN2-1 m	112537540	112537930	2270	9:58	10:22
z00	PPN2-2 m	112537541	112537931	2270	9:58	10:22
z00	PPN2-3 m	112537542	112537932	2270	9:58	10:22
	BLANK	112537543	* +100 µL ZnCl			



Depth

COMMENTS



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 LOG_SAMPLES_ 2024 07 25 _STATION- 1 8 4 _S-LAB-25-1
 OPERATOR(S) ZH

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00 m	1. 0.6829 2. 0.6126 3. 0.6127		###-Z00 PM-CTRL	mL	N° Weight	
Z02 m	1. 2. 3.		TRIPLECTES 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	112537951	2870 2870	30 min. min.
Z00 m		2270 mL	Z00 R02 m	###-Z00 HP-2	30 min. min.	
			Z00 R03 m	###-Z02 HP-3	30 min. min.	
			Z02 R01 m	###-Z02 HP	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		2270 mL	N° T23-216 Weight 36,219		2270 mL	N° T23-4 Weight 35,048
Z00 R02 m		2270 mL	N° F35 Weight 36,305		2270 mL	N° T23-248 Weight 37,472
Z00 R03 m		2270 mL	N° T23-213 Weight 35,519		2270 mL	N° TE384 Weight 37,765



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 25 _STATION- 1 8 4 _S-LAB-NET-20
 OPERATOR(S) ZH

Net 20 μm

Decknet

Deployed at sea

SAMPLE SPLITTING	# of cod-ends <input type="checkbox"/> 1 <input checked="" type="checkbox"/> 2	Total volume <input checked="" type="checkbox"/> 1600 mL	Aliquots vol. <input checked="" type="checkbox"/> 200 mL
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PROTOCOLS	Barcode	Aliquot volume (mL)	Filtration time	Barcode	Aliquot volume (mL)	Filtration time
S20 Cryo-5mL LN2 #1	112537952	<input type="checkbox"/> 200 mL (1/8) <i>150</i> mL	<input type="checkbox"/> 15 mn	112537953	<input type="checkbox"/> 200 mL (1/8) <i>150</i> mL	<input type="checkbox"/> 15 mn
FCAM20 Bottle-250mL LIVE	115562003	<input checked="" type="checkbox"/> 200 mL (1/8)				
E20 Falcon-15mL + 15mL ETOH FRZ -20°C	115562004	<input checked="" type="checkbox"/> 200 mL (1/8)				
S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect	115562005	<input type="checkbox"/> 200 mL (1/8) <i>150</i> mL				
MB20 Vial-4mL FRZ -20°C	115562006	<input checked="" type="checkbox"/> 200 mL (1/8)				
FM20 Falcon-50mL FRG +4°C Pre aliquoted PFA+GLUTA store at -20°C	115562007	<input checked="" type="checkbox"/> 45 mL		115562008	<input checked="" type="checkbox"/> 45 mL	
HG-20 Falcon-15mL FRZ -20°C	115562009	<i>750</i>				



SAMPLE SPLITTING	COMMENTS	COMMENTS
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 2024	MM 07	DD 25	_STATION-	# 1	# 8	# 4	_S-LAB-NET-200
OPERATOR(S)	ZM							

Horizontal
WPII-200

SAMPLE
SPLITTING

COD-END #1

PROTOCOLS
F200
Bottle-250mL
+
borax/formol
RT >10°C

Barcode



115562010

Fraction of
total volume



100%

Aliquot
Volume (mL)



250 mL



500 mL

SAMPLE
SPLITTING

COD-END #2

Total volume



1600 mL

PROTOCOLS
S200
Cryo-5mL
LN2 #1

Barcode



112537954

Filtered
volume (mL)

50

Filtration time



15 min

Barcode



112537955

Filtered
volume (mL)

50

Filtration time



15 min

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



115562012

50

HG-200
Falcon-15mL
FRZ -20°C



115562013

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 2024	MM 07	DD 25	# STATION- 1	# 8	# 4	_S-LAB-NET-680
OPERATOR(S)	ZM						

Régent 680

SAMPLE SPLITTING	FLOWMETER	NET TOW n° 24353	NET TOW n° 28053	FLOWMETER Total volume 17079	NET TOW n° 1 20577	
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	115562011	<input checked="" type="checkbox"/> 100 % <input type="checkbox"/> %	<input checked="" type="checkbox"/> 250 mL <input type="checkbox"/> 500 mL			
F2000 Bottle-250mL RT >10°C + borax/formol	### EPI F2000	hand-picked #ind=	<input type="checkbox"/> 250 mL <input type="checkbox"/> 500 mL			
S680-L Falcon-5mL FRZ -20°C + 5mL Nucleoprotect				115562014	<input type="checkbox"/> 100 % <input type="checkbox"/> %	200 mL
HG-680 Falcon-15mL FRZ -20°C				115562015	J 350	

