



LOG_SAMPLES_ YYYY MM DD # # # _STATION- _MERCURY
2024 03 11 1 0 8
 OPERATOR(S) 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		# 13 138,6mg	5170		###-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
Z00 m	



YYYY MM DD # # #

LOG_SAMPLES_ 2024 03 11 _STATION- 1 0 8 _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 m	112499848	112499849	<input type="checkbox"/> 20L <u>14</u> L	<input type="checkbox"/> 15 min. <u>14</u> min.	112499850	<input type="checkbox"/> 20L <u>14</u> L
Z00 R02 m	112499851	112499852	<input type="checkbox"/> 20L <u>14</u> L	<input type="checkbox"/> 15 min. <u>14</u> min.	112499853	<input type="checkbox"/> 20L <u>15</u> 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	112499854	112499855	<input checked="" type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. <u>50</u> 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	112553791	112553792	<input checked="" type="checkbox"/> 50L L	<input type="checkbox"/> 60 min. <u>50</u> 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) JUF

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 HgCl₂	
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	For all: Since station 106 we had issues with the MOW System that only produced ~15.3-16.3 M _Q MOW. (Usually 18.2). We subsequently changed the filter pads of both units and		
Z02	m			
Depth Replicate		COMMENTS CDOM/FDOM	COMMENTS DOC	COMMENTS NUT
Z00	R01 m	For station 109 the resistance is optimal again		
Z00	R02 m			
Z00	R03 m			
Z02	R01 m			
Z02	R02 m			
Z02	R03 m			



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _TARDIS-SCP

OPERATOR(S) JUF

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 MQW system was still at a relatively low resistance ($\sim 15.3 - 16.3 \text{ M}\Omega$). We solved the issue now. However, for rinsing we will still use the "lower quality" MQW for stations 109 & 110. We can't produce enough MQW otherwise and need to use our stock.
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z02	R01 m	The HLB 3 channel of the peristaltic pump stopped working halfway through the extraction.
Z02	R02 m	HLB3 ran $\sim 1\text{h}$ longer than the other cartridges.
Z02	R03 m	
Z02	R04 m	



YYYY MM DD # # #

LOG_SAMPLES_ 2024 03 11 _STATION- 1 0 8 _S-LAB-OTHER

OPERATOR(S) MARTA FURIA

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	112500118	112500126	112500134	112500137	112500139	112500141
Z00	R02 m	112500119	112500127	112500135	112500138	112500140	112500142
Z00	R03 m	112500120	112500128	112500136	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00	R04 m	112500121	112500129	Glycerol prealiquot - RT			
Z00	R05 m	112500122	112500130		DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
Z00	R06 m	112500123	112500131		112500041	112500044	112500047
Z00	R07 m	112500124	112500132		112500042	112500045	112500048
Z00	R08 m	112500125	112500133		112500043	112500046	112500049
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	112554008	<input type="checkbox"/> 30L	<input type="checkbox"/> 30 min.			
			10 L	32 min.			
Z02	m	###-Z02 eDNA	<input type="checkbox"/> 30L	<input type="checkbox"/> 30 min.			
			L	min.			



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
Z02	R01 m	###-Z02 HC-1	###-Z02 HC-G-1	###-Z02 CP-G-1	###-Z02 SG-1	###-Z02 FC-P-1	###-Z02 FC-G-1
Z02	R02 m	###-Z02 HC-2	###-Z02 HC-G-2	###-Z02 CP-G-2	###-Z02 SG-2	###-Z02 FC-P-2	###-Z02 FC-G-2
Z02	R03 m	###-Z02 HC-3	###-Z02 HC-G-3	###-Z02 CP-G-3	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at - 20°C
Z02	R04 m	###-Z02 HC-4	###-Z02 HC-G-4	Glycerol prealiquot - RT			
Z02	R05 m	###-Z02 HC-5	###-Z02 HC-G-5		DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
Z02	R06 m	###-Z02 HC-6	###-Z02 HC-G-6		###-Z02 DGAS-1	###-Z02 DGAS-2	###-Z02 DGAS-3
Z02	R07 m	###-Z02 HC-7	###-Z02 HC-G-7				
Z02	R08 m	###-Z02 HC-8	###-Z02 HC-G-8				
Prealiquot		No prealiquot	Glycerol prealiquot - RT		+ 100 µL ZnCl ²	+ 100 µL ZnCl ²	+ 100 µL ZnCl ²

COMMENTS



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

2024 03 11 1 0 8

OPERATOR(S) HARTA FURIA

Depth	Volume filtered (Litres)				
Z00	<input type="checkbox"/> 10 L				
m	~90 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



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

OPERATOR(S) **MARTA FURLA**

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz
Z00 m	1	08 : 25	08 : 33
Z00 m	2	08 : 25	08 : 33
Z00 m	3	08 : 25	08 : 33

Depth	Natural abundance – TO	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end
Z00 m	NAT-1		1830 mL	09 : 30	10 : 17
Z00 m	NAT-2		2300 mL	09 : 30	09 : 56
Z00 m	NAT-3		2300 mL	09 : 40	10 : 12

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			1550 mL	08 : 40	09 : 20
Z00 m	PPN2-2			2300 mL	08 : 40	09 : 04
Z00 m	PPN2-3			2300 mL	08 : 40	09 : 03

BLANK



* +100 µL ZnCl



YYYY MM DD HH MM

2024 03 08 07 12

#

1 0 6

_STATION- _SML

OPERATOR(S) INITIALS

MARTA FURIA

Water Collection

Number of dips: 13

Volume Collected (L) 0,500 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)				
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)				

YYYY MM DD HH MM

2024 03 11 07 15

#

1 0 8

_STATION- _SML

OPERATOR(S) INITIALS

MARTA FURIA

Water Collection

Number of dips: 13

Volume Collected (L) 0,500 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)				
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)				





LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _S-LAB-25-1
 OPERATOR(S) E. VEGEAY

Depth	Turbidimeter (FNU)	PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtrés + weight (mg)		
Z00	1. 0,89 2. 1,04 3. 0,83	###-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 HP-1	<input type="checkbox"/> 30 min. <input type="checkbox"/> 6 min.		
Z00	112553961	1000 mL	Z00 R02 ###-Z00 HP-2	<input type="checkbox"/> 30 min. min.		
Z02	###-Z02 PA	mL	Z02 or R03 ###-Z02 HP-3	<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 112553962	1000 mL	N° TE-078 Weight 37.881	112553965	1000 mL	N° TE 377 Weight 36.941
Z00	R02 112553963	1000 mL	N° TE 387 Weight 37.459	112553966	1000 mL	N° TE 321 Weight 37.866
Z00	R03 112553964	1000 mL	N° TE 197 Weight 37.336	112553967	1000 mL	N° TE 004 Weight 36.291
Z02	R01 ###-Z02 PM-1	mL	N° Weight	###-Z02 FOI-1	mL	N° Weight
Z02	R02 ###-Z02 PM-2	mL	N° Weight	###-Z02 FOI-2	mL	N° Weight
Z02	R03 ###-Z02 PM-3	mL	N° Weight	###-Z02 FOI-3	mL	N° Weight



Depth Replicate		COMMENTS PM	COMMENTS FOI
Z00	R01 m		
Z00	R02 m		
Z00	R03 m		
Z02	R01 m		
Z02	R02 m		
Z02	R03 m		

Depth Replicate		COMMENTS PA - HP
Z00	m	
Z02	m	



LOG-SAMPLES_ YYYY MM DD # # # _STATION- # # # _S-LAB-NET-20

OPERATOR(S) E. VEGEAY

Net 20 μ m

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)
mL

15 mn



200 mL (1/8)
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)
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



410



	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) E. VEGEAY

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
S200 Cryo-5mL LN2 #1		50	<input checked="" type="checkbox"/> 15 min		50	<input checked="" type="checkbox"/> 15 min
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo		600				
HG-200 Falcon-15mL FRZ -20°C		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 MM DD # # # _STATION- _S-LAB-NET-680

2024 03 11 1 0 8

OPERATOR(S) E. UEGEAM

Régent 680

SAMPLE SPLITTING	NET TOW n° 2		FLOWMETER		NET TOW n° 1	
	15232	17405	12405	15232	<input checked="" type="checkbox"/> 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 checked="" type="checkbox"/> 100 %	100 mL
					%	
HG-680 Falcon-15mL FRZ -20°C						1500



COMMENTS

COMMENTS

SAMPLE
 SPLITTING

PROTOCOLS

F680
 Bottle-250mL
 RT >10°C

F2000
 Bottle-250mL
 RT >10°C

S680-L
 Falcon-5mL
 FRZ -20°C