LOG_SAMPLES_ **2024** | **07** | **22** _STATION- **1** | **8** | **1** _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				115561892	
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	112537875	#305 130,27	1175	15	###-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		
		2022A
		PG021

LOG_SAMPLES_ YYYY `2024` MM `07` DD `22` **_STATION-** # `1` # `8` # `1` **_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	112537852	112537853	☐ 20L	☑ 15 min.	112537856	☐ 20L
m			10 L	min.		10 L
Z00 R02	112537854	112537855	☐ 20L	☑ 15 min.	112537857	☐ 20L
m			10 L	min.		10 L
Z02 R01	###-Z02 S320-1	###-Z02 S023	☐ 20L	☐ 15 min.	###-Z02 S<02	☐ 20L
m			L	min.		L
Z02 R02	###-Z02 S320-2	###-Z02 S023-2	☐ 20L	☐ 15 min.	###-Z02 S<02-2	☐ 20L
m			L	min.		L

Depth Replicate	● P320 Cryo-5mL LN2 #1	● P023 Cryo-5mL LN2 #1	Filtration Volume (Litres)	Filtration Duration (minutes)	< 0.2 µm
Z00	112537858	112537859	☐ 50L	☑ 60 min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2
m			25 L	min.	
Z02	###-Z02 P320	###-Z02 P023	☐ 50L	☐ 60 min.	
m			L	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	115561884	115561885	☐ 50L	☑ 60 min.	2 FILTRES 0,2 µm Two FILTERS 0,2 µm
m			35 L	min.	
Z02	###-Z02 S320-L	###-Z02 S023-L	☐ 50L	☐ 60 min.	
m			25 L	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
	2024	07	22		1	8	1	

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		112576058	112576059	112576060		115561893	###-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	112576055	112576052	112576049			
Z00	R02 m	112576056	112576053	112576050			
Z00	R03 m	112576057	112576054	112576051			
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 water from water maker (f) 2nd MQ system ⇒ impact cleaning?		
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 `2024` MM `07` DD `22` **_STATION-** # `1` # `8` # `1` **_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	R01	112576065	☒ 2L	☒ 120 min.	112576061	☒ 2L	☒ 120 min.
	m		L	min.		L	min.
Z00	R02	112576066	☒ 2L	☒ 120 min.	112576062	☒ 2L	☒ 120 min.
	m		L	min.		L	min.
Z00	R03	112576067	☒ 2L	☒ 120 min.	112576063	☒ 2L	☒ 120 min.
	m		L	min.		L	min.
Z00	R04	112576068	☒ 2L	☒ 120 min.	112576064	☒ 2L	☒ 120 min.
	m		L	min.		L	min.
Z02	R01	###-Z02 PPL-1	☐ 2L	☐ 120 min.	###-Z02 HLB-1	☐ 2L	☐ 120 min.
	m		L	min.		L	min.
Z02	R02	###-Z02 PPL-2	☐ 2L	☐ 120 min.	###-Z02 HLB-2	☐ 2L	☐ 120 min.
	m		L	min.		L	min.
Z02	R03	###-Z02 PPL-3	☐ 2L	☐ 120 min.	###-Z02 HLB-3	☐ 2L	☐ 120 min.
	m		L	min.		L	min.
Z02	R04	###-Z02 PPL-4	☐ 2L	☐ 120 min.	###-Z02 HLB-4	☐ 2L	☐ 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	112576069	☒ 16L	☒ (34) 30 min.	112576070	☒ 16L	☒ (54) 30 min.
m		L	min.		L	min.
Z02	###-Z02 MB320	☐ 16L	☐ 30 min.	###-Z02 MB033	☐ 16L	☐ 30 min.
m		L	min.		L	min.

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LOG-SAMPLES_TARDIS-SCP

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D2

Depth		COMMENTS
Z00	R01	* One out of 2 MQ dispenser broken so we used MQ water from
	m	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_ — YYYY: **2024** MM: **07** DD: **22** _STATION- # **1** # **8** # **1** _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	112537678	112537622	112537686	112537689	112537691	112537693
Z00	R02 m	112537679	112537623	112537687	112537690	112537692	112537694
Z00	R03 m	112537680	112537624	112537688	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00	R04 m	112537681	112537625	Glycerol prealiquot - RT			
Z00	R05 m	112537682	112537626		DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
Z00	R06 m	112537683	112537627		112537840	112537843	112537846
Z00	R07 m	112537684	112537628		112537841	112537844	112537847
Z00	R08 m	112537685	112537629		112537842	112537845	112537848
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	115561822	● 30L / L	☐ 30 min. / **24** min.			

		YYYY	MM	DD		#	#	#	
LOG_SAMPLES_		2024	07	22	_STATION-	1	8	1	_S-LAB-DECKNET-5

OPERATOR(S) THOMAS HAIZE

Depth	Volume filtered (Litres)			
Z00	☐ 10 L	Blod milk 100 ml left, removed with pipette		
m	9.8 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	‖‖‖ 112537593	‖‖‖ 112537594	‖‖‖ 112537595	‖‖‖ 112537596
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

	YYYY	MM	DD			#	#	#	
LOG_SAMPLES_	2024	07	22	_STATION-		1	8	1	_PPN2-PPN2exe
OPERATOR(S)	THOMAS HAIZE								

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz		
Z00 m	1	7 : 10	7 : 17		
Z00 m	2	7 : 11	7 : 18		
Z00 m	3	7 : 11	7 : 18		

Depth	Natural abundance – T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end	
Z00 m	NAT-1	112537558	400	9 : 00	9 : 12	refait car flacon are 600 ml
Z00 m	NAT-2	112537559	400	9 : 00	9 : 12	
Z00 m	NAT-3	112537560	400	9 : 00	9 : 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	112537561	112537849	500	10 : 30	10 : 37
Z00 m	PPN2-2	112537562	112537850	500	10 : 30	10 : 37
Z00 m	PPN2-3	112537563	112537851	500	10 : 30	10 : 37
	BLANK	112537564	* +100 µL ZnCl			

YYYY	MM	DD	HH	MM		_STATION-	# # #	_SML	OPERATOR(S) INITIALS
2024	07	22	08	15			1 8 1		THOMAS HAIZE

Water Collection

Number of dips: 12   **Volume Collected (L)** 0.8

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)	112537414	112537415		
SML-CP	Cryotube (5ml) 3ml sample + 750 µl Glycerol RT (-80°C)	112537416	112537417	112537418	
SML-320	Cryotube (2ml) Filter 3µm PC LN2 (-80°C)	112537419	112537420	112537421	
SML-023	Cryotube (2ml) Filter 0.22µm PC LN2 (-80°C)	112537422	112537423	112537424	

YYYY	MM	DD	HH	MM		_STATION-	# # #	_SML	OPERATOR(S) INITIALS

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		_STATION-	#	#	#	_S-LAB-25-1
	2024	07	22			1	8	1	

OPERATOR(S): ZM

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)	
Z00 m	1. 0.57 2. 0.66 3. 0.68		112576244	595 mL	N° F01 Weight 37,126	⚠ SEAWATER

Depth	Turbidimeter		TRIPLICATES ONCE A MONTH FOR HP	HP Cryo-2mL LN2 #3	Filtration Volume (mL)	Filtration Duration (minutes)
Z02 m	1. 2. 3.					

Depth	PA Petridish FRZ -20°C	Filtration Volume (mL)				
			Z00 R01 m	112537471	570	☐ 30 min. 43 min.
Z00 m	112576245	620 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	112576246	635 mL	N° F07 Weight 35,986	112576249	635 mL	N° T23_218 Weight 37,185
Z00 R02 m	112576247	635 mL	N° F61 Weight 37,052	112576250	635 mL	N° F45 Weight 36,103
Z00 R03 m	112576248	635 mL	N° F59 Weight 36,740	112576251	635 mL	N° F39 Weight 36,505

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LOG-SAMPLES_S-LAB-25

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F1

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

Depth Replicate	COMMENTS PA - HP
Z00	
m	
Z02	
m	

LOG-SAMPLES_ | YYYY **2024** | MM **07** | DD **22** | _STATION- # **1** # **8** # **1** | _S-LAB-NET-20

OPERATOR(S): **ZH**

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	112537472	☐ 200 mL (1/8) **30** mL	☐ 15 mn	112537473	☐ 200 mL (1/8) **30** mL	☐ 15 mn
FCAM20 Bottle-250mL LIVE	112576252	☐ 200 mL (1/8)				
E20 Falcon-15mL **+ 15mL ETOH** FRZ -20°C	112576253	● 200 mL (1/8)				
S20-L Falcon-5mL FRZ -20°C **+ 5 mL NucleoProtect**	112576254	☐ 200 mL (1/8) **30** mL				
MB20 Vial-4mL FRZ -20°C	112576255	● 200 mL (1/8)				
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C	112576256	● 45 mL		112576257	● 45 mL	
HG-20 Falcon-15mL FRZ -20°C	112576258	**1010** ~~1510~~				

	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		

		YYYY	MM	DD		#	#	#	
LOG-SAMPLES_		2024	07	22	_STATION-	J	8	J	_S-LAB-NET-200

OPERATOR(S): ZM

	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	112576259	☑ 100% ☐ %	☑ 250 mL ☐ 500 mL	*Not entirely washed (gelatinous substance), therefore not quantitative.*

SAMPLE SPLITTING	**COD-END #2**	**Total volume** ☑ 1600 mL	*Not entirely washed (gelatinous substance very present), therefore not quantitative*			
PROTOCOLS	**Barcode**	**Filtered volume (mL)**	**Filtration time**	**Barcode**	**Filtered volume (mL)**	**Filtration time**
🔵 **S200 Cryo-5mL LN2 #1**	112537474	10	☐ 15 min	112537475	10	☐ 15 min
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo	115561817	10				
HG-200 Falcon-15mL FRZ -20°C	115561818	400				

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LOG-SAMPLES_S-LAB-NET-200

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F3

	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	07	22			1	8	1	

OPERATOR(S): ZM

Régent 680

Not entirely washed (gelatinous substance +++) therefore not quantitative

		NET TOW n° 2				NET TOW n° 1	
SAMPLE SPLITTING	FLOWMETER	02552	04054	FLOWMETER Total volume	01324	02552	

⬤ 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	112576260	☑ 100 % ☐ %	☑ 250 mL ☐ 500 mL			
F2000 Bottle-250mL RT >10°C + borax/formol	### EPI F2000	hand-picked #ind=	☐ 250 mL ☐ 500 mL			
S680-L Falcon-5mL FRZ -20°C + 5mL Nucleoprotect				115561819	☐ 100 % 50 %	10 mL
HG-680 Falcon-15mL FRZ -20°C				115561820		

	COMMENTS	COMMENTS
SAMPLE SPLITTING		
PROTOCOLS		
F680 Bottle-250mL RT >10°C		
F2000 Bottle-250mL RT >10°C		
S680-L Falcon-5mL FRZ -20°C		