Fondation tara océan — explore and share

LOG-SAMPLES_MERCURY

tara EUROPA

B4

LOG_SAMPLES_	YYYY	MM	DD		_STATION-	#	#	#	_MERCURY
	2024	03	02			1	0	2	

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				112553438	

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	112553439	48	3390		###-Z00 f.THg	

Depth	uf.THg 40-mL glass bottle RT					
Z00 ___ m	112553440					

Depth	COMMENTS	
Z00 m		

	YYYY	MM	DD		#	#	#	
LOG_SAMPLES_	2024	03	02	_STATION-	1	0	2	_ZODIAC-ALIENS

OPERATOR(S): HG ; EL

Aliens In port	Aliens Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)	BLANK (every 3 sites) 2L of purewater	
Aliens In port-1	112553637	◉ 30L / ⚡ L	☐ 30 min. / 18 min.	112553655	36, 72335
Aliens In port-2	112553636	◉ 30L / L	☐ 30 min. / 20 min.		-3, 52678
Aliens In port-3	112553635	◉ 30L / L	☐ 30 min. / 19 min.		

Aliens entrance	Aliens Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)		
Aliens Entrance-1	112553632	◉ 30L / L	☐ 30 min. / 18 min.		
Aliens Entrance-2	112553633	◉ 30L / L	☐ 30 min. / 19 min.		**Add 50 mL of buffer for every samples (except for the blank)**
Aliens Entrance-3	112553634	◉ 30L / L	☐ 30 min. / 20 min.		36, 71479 / -3, 51615

Aliens Open water	Aliens Watera capsule RT	Filtration Volume (Litres)	Filtration Duration (minutes)		
Aliens openW-1	112553629	◉ 30L / L	☐ 30 min. / 22 min.		36, 69717
Aliens openW-2	112553630	☐ 30L / 2 L	◉ 30 min. / min.	capsule filtered only 2L → problem of trubling	-3, 543621
Aliens openW-3	112553631	◉ 30L / L	☐ 30 min. / 22 min.		

Aliens In port	COMMENTS
Aliens In port-1	
Aliens In port-2	
Aliens In port-3	
Aliens entrance	
Aliens Entrance-1	
Aliens Entrance-2	
Aliens Entrance-3	
Aliens Open water	
Aliens openW-1	
Aliens openW-2	
Aliens openW-3	

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LOG-SAMPLES_W-LAB-142-1

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LOG_SAMPLES_	YYYY	MM	DD	_STATION-	#	#	#	_W-LAB-142-1
	2024	03	02		1	0	2	

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	112499496	112499497	☐ 20L **14** L	☐ 15 min. **14** min.	112499498	☐ 20L **14** L
Z00 R02 m	112499499	112499500	☐ 20L **14** L	☐ 15 min. **14** min.	112499501	☐ 20L **14** L
Z02 R01 m	###-Z02 S320-1	###-Z02 S023	☐ 20L L	☐ 15 min. min.	###-Z02 S<02	☐ 20L L
Z02 R02 m	###-Z02 S320-2	###-Z02 S023-2	☐ 20L L	☐ 15 min. min.	###-Z02 S<02-2	☐ 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	112499502	112499503	☐ 50L **48** L	☐ 60 min. **55** min.	=> Collect filtrate for SS protocols onland : VV<0.2, qPCR<0.2
Z02 m	###-Z02 P320	###-Z02 P023	☐ 50L L	☐ 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	112553481	112553482	☐ 50L **46** L	☐ 60 min. **55** min.	
Z02 m	###-Z02 S320-L	###-Z02 S023-L	☐ 50L L	☐ 60 min. min.	

C1

Depth Replicate		COMMENTS S###
Z00	R01	
	m	
Z00	R02	
	m	
Z02	R01	
	m	
Z02	R02	
	m	

Depth	COMMENTS P###
Z00	the filter saturated
m	
Z02	
m	

Depth	COMMENTS S###L
Z00	the filter saturated
m	
Z02	
m	

LOG_SAMPLES_ | YYYY **2024** | MM **03** | DD **02** | _STATION- | # **1** | # **0** | # **2** | _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	112553600	112553601	112553602		112553431	###-Z00 SAL
Z02 ___ m	###-Z02 TOC-1	###-Z02 TOC-2	###-Z02 TOC-3		###-Z02 DICTA	###-Z02 SAL

<div align="center">**+ 150 µl HCl**</div>   <div align="center">**+ 300 µl HgCl$_2$**</div>

Depth		CDOM/FDOM Bottle-60mL FRG +4°C	DOC Vial-40mL FRG +4°C	NUT Bottle-60mL FRZ -20°C
Z00	R01 ___ m	112553603	112553606	112553609
Z00	R02 ___ m	112553604	112553607	112553610
Z00	R03 ___ m	112553605	112553608	112553611
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

<div align="center">**+ 150 µl HCl**</div>

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			

LOG_SAMPLES_ YYYY `2024` MM `03` DD `02`   **_STATION-** # `1` # `0` # `2`   **_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 m	R01	112553612	☒ 2L / ☐ L	☒ 120 min. / ☐ min.	112553616	☒ 2L / ☐ L	☒ 120 min. / ☐ min.
Z00 m	R02	112553613	☒ 2L / ☐ L	☒ 120 min. / ☐ min.	112553617	☒ 2L / ☐ L	☒ 120 min. / ☐ min.
Z00 m	R03	112553614	☒ 2L / ☐ L	☒ 120 min. / ☐ min.	112553618	☒ 2L / ☐ L	☒ 120 min. / ☐ min.
Z00 m	R04	112553615	☒ 2L / ☐ L	☒ 120 min. / ☐ min.	112553619	☒ 2L / ☐ L	☒ 120 min. / ☐ min.
Z02 m	R01	###-Z02 PPL-1	☐ 2L / ☐ L	☐ 120 min. / ☐ min.	###-Z02 HLB-1	☐ 2L / ☐ L	☐ 120 min. / ☐ min.
Z02 m	R02	###-Z02 PPL-2	☐ 2L / ☐ L	☐ 120 min. / ☐ min.	###-Z02 HLB-2	☐ 2L / ☐ L	☐ 120 min. / ☐ min.
Z02 m	R03	###-Z02 PPL-3	☐ 2L / ☐ L	☐ 120 min. / ☐ min.	###-Z02 HLB-3	☐ 2L / ☐ L	☐ 120 min. / ☐ min.
Z02 m	R04	###-Z02 PPL-4	☐ 2L / ☐ L	☐ 120 min. / ☐ min.	###-Z02 HLB-4	☐ 2L / ☐ L	☐ 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	112553620	☒ 16L / ☐ L	☒ 30 min. / ☐ min.	112553621	☒ 16L / ☐ L	☒ 30 min. / ☐ min.
Z02 m	###-Z02 MB320	☐ 16L / ☐ L	☐ 30 min. / ☐ min.	###-Z02 MB033	☐ 16L / ☐ L	☐ 30 min. / ☐ min.

Depth		COMMENTS
Z00	R01 m	
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 **03** DD **02** _STATION- # **1** # **0** # **2** _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	112499586	112499594	112499602	112499605	112499607	112499609
Z00	R02 m	112499587	112499595	112499603	112499606	112499608	112499610
Z00	R03 m	112499588	112499596	112499604	Glycine-betaine prealiquot at 4°C	PFA prealiquot at -20°C	Glutaraldehyde prealiquot at -20°C
Z00	R04 m	112499589	112499597	Glycerol prealiquot - RT			
Z00	R05 m	112499590	112499598		DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C	DGAS 12 mL exetainer +4°C
Z00	R06 m	112499591	112499599		112499658	112499661	112499664
Z00	R07 m	112499592	112499600		112499659	112499662	112499665
Z00	R08 m	112499593	112499601		112499660	112499663	112499666
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	112553622	☐ 30L ~ 25 L	☒ 30 min. min.	=> Collect filtrate for SS protocol onland : V<0.45	
Z02 m	###-Z02 eDNA	☐ 30L L	☐ 30 min. min.		

Depth Replicate		COMMENTS
Z00	R01 m	
Z00	R02 m	
Z00	R03 m	
Z00	R04 m	
Z00	R05 m	
Z00	R06 m	
Z00	R07 m	
Z00	R08 m	

	YYYY	MM	DD		#	#	#	
LOG_SAMPLES_	2024	03	02	_STATION-	1	0	2	_S-LAB-DECKNET-5

OPERATOR(S): MARTA FURIA

Depth	Volume filtered (Litres)				
Z00	☐ 10 L				
m	**85** 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 m	112553488	112553489	112499611	112499612	
Z02 m	### Z02 FM5-1	### Z02 FM5-2	### Z02 SG5-1	### Z02 SG5-2	

***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		#	#	#	
LOG_SAMPLES_	2024	03	02	_STATION-	1	0	2	_PPN2-PPN2exe

OPERATOR(S): MARTA PURLA

Depth	Spikes	13C-DIC time (UTC) in -20°C	15N-DIC time (UTC) in gaz			
Z00 m	1	07:06	07:19			
Z00 m	2	07:06	07:25			
Z00 m	3	07:06	07:29			

Depth	Natural abundance – T0	NAT Filter in alu -20°C	Filtered volume (mL)	Filtration time – start	Filtration time – end	
Z00 m	NAT-1	112553623	2.3 L	09:28	10:03	
Z00 m	NAT-2	112553624	2.3 L	09:28	10:01	
Z00 m	NAT-3	112553625	2.3 L	09:28	10:10	

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	112553652	112499692	1480 mL	07:26	08:26
Z00 m	PPN2-2	112553653	112499693	2000 mL	07:27	07:58
Z00 m	PPN2-3	112553654	112499694	2300 mL	07:28	08:21
	BLANK	112553626	* +100 µL ZnCl			

Depth	COMMENTS
ZOO 102 PPN2 - 2	LOSS OF WATER DURING FILTRATION ESTIMATED VOLUME OF FILTERED WATER: ~2000 mL

LOG_SAMPLES_ YYYY: **2024** MM: **03** DD: **02** _STATION- # **1** # **0** # **2** _S-LAB-25-1

OPERATOR(S): E. LEGEAY

Depth	Turbidimeter (FNU)		PM control (EVERY TWO STATIONS)	Filtration Volume (mL)	N° filtres + weight (mg)
Z00 m	1. 1,37 2. 1,29 3. 1,20		###-Z00 PM-CTRL	mL	N° Weight
Z02 m	1. 2. 3.		**TRIPLICATES 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)				Filtration Duration (minutes)
			Z00 R01	112499686	700 mL	☐ 30 min. **10** min.
Z00 m	112553580 700 mL		Z00 R02	###-Z00 HP-2	mL	30 min. min.
Z02 m	###-Z02 PA	mL	Z00 R03	###-Z00 HP-3	mL	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	112553581	700 mL	N° TE074 Weight 36.246	112553584	700 mL	N° TE372 Weight 36.732
Z00 R02 m	112553582	700 mL	N° TE247 Weight 37.226	112553585	700 mL	N° TE235 Weight 37.540
Z00 R03 m	112553583	700 mL	N° TE244 Weight 36.792	112553586	700 mL	N° TE018 Weight 35.837
Z02 R01 m	###-Z02 PM-1	mL	N° Weight	###-Z02 FOI-1	mL	N° Weight
Z02 R02 m	###-Z02 PM-2	mL	N° Weight	###-Z02 FOI-2	mL	N° Weight
Z02 R03 m	###-Z02 PM-3	mL	N° Weight	###-Z02 FOI-3	mL	N° Weight

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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
2024	03	02

_STATION-

#	#	#
1	0	2

_S-LAB-NET-20

OPERATOR(S): E. LEGEAY

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	112499687	☐ 200 mL (1/8) 190 mL	☒ 15 mn	112499688	☐ 200 mL (1/8) 190 mL	☒ 15 mn
FCAM20 Bottle-250mL LIVE	112553587	☐ 200 mL (1/8)				
E20 Falcon-15mL **+ 15mL ETOH** FRZ -20°C	112553588	☒ 200 mL (1/8) 190				
S20-L Falcon-5mL FRZ -20°C **+ 5 mL NucleoProtect**	112553589	☐ 200 mL (1/8) 190 mL				
MB20 Vial-4mL FRZ -20°C	112553590	☐ 200 mL (1/8) 190				
FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C	112553592	☒ 45 mL		112553593	☒ 45 mL	
HG-20 Falcon-15mL FRZ -20°C	112553591	290				

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		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				

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LOG-SAMPLES_ YYYY **2024** MM **03** DD **02** **_STATION-** # **1** # **0** # **2** **_S-LAB-NET-200**

OPERATOR(S) E. LEGEAY

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	112553594	☒ 100% ☐ %	☒ 250 mL ☐ 500 mL	

SAMPLE SPLITTING	COD-END #2	Total volume ☒ 1600 mL					

PROTOCOLS	Barcode	Filtered volume (mL)	Filtration time	Barcode	Filtered volume (mL)	Filtration time
🔵 **S200 Cryo-5mL LN2 #1**	112499689	50	☒ 15 min	112499690	50	☒ 15 min
S200-L Falcon-5mL FRZ -20°C + 5mL Nucleo	112553595	50				
HG-200 Falcon-15mL FRZ -20°C	112553596	250				

		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			

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LOG-SAMPLES_ | YYYY **2024** | MM **03** | DD **01** | _STATION- | # **1** | # **0** | # **2** | _S-LAB-NET-680

OPERATOR(S): **E. LEGEAY**

Régent 680

SAMPLE SPLITTING		NET TOW n° **2**			NET TOW n° **1**		
	FLOWMETER **85412**	**87878**		FLOWMETER Total volume **83312**	**85412**		
				☒ 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**	112553597	☒ 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**				112553598	☒ 100 % ☐ %	**120** mL
HG-680 Falcon-15mL FRZ -20°C				112553599		**1225**

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