



LOG_SAMPLES_ 2024 03 09 _STATION- 1 0 7 _MERCURY

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 | | # 41 124,4 mg | 3390 | | ###-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 | |
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LOG_SAMPLES_ **2024 03 09** YYYY MM DD
 _STATION- **1 0 7** # # #
 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 | | | <input type="checkbox"/> 20L 15 L | <input type="checkbox"/> 15 min. 14 min. | | <input type="checkbox"/> 20L 15 L |
| Z00 R02 m | | | <input type="checkbox"/> 20L 15 L | <input type="checkbox"/> 15 min. 14 min. | | <input type="checkbox"/> 20L 15 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 | | | <input type="checkbox"/> 50L 35 L | <input type="checkbox"/> 60 min. 35 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 type="checkbox"/> 50L 50 L | <input type="checkbox"/> 60 min. 55 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 | only 35 min filtration filter saturated |
| Z02 m | |
| Depth | COMMENTS S###L |
| Z00 m | 2 filters |
| Z02 m | 2 filters |



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 | | | | | | |
| Z02 m | ###-Z02 TOC-1 | ###-Z02 TOC-2 | ###-Z02 TOC-3 | | ###-Z02 DICTA | ###-Z02 SAL |
| | + 150 µl HCl | | | | + 300 µl HgCl ₂ | |
| 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 | | | | | |



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

OPERATOR(S) JUT

| 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 | We still have the same M&W system issue, the resistance does not exceed 16.3 $\mu\Omega$. |
| Z00 | R02 m | I rinsed the HLB cartridges with LCMS water to reduce the contamination risk. (I did not do that for 106, as I still had some "good" M&W). |
| Z00 | R03 m | |
| Z00 | R04 m | |
| Z02 | R01 m | |
| Z02 | R02 m | |
| Z02 | R03 m | |
| Z02 | R04 m | |
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LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _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 | | | | | | |
| 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 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 | | <input type="checkbox"/> 30L ~ 35 L | <input checked="" type="checkbox"/> 30 min. min. | | | |
| Z02 m | ###-Z02 eDNA | <input type="checkbox"/> 30L L | <input type="checkbox"/> 30 min. 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

OPERATOR(S) MARTA FURIA

| Depth | Volume filtered (Litres) | | | | |
|-------|-------------------------------|--|--|--|--|
| Z00 | <input type="checkbox"/> 10 L | | | | |
| m | ~ 95 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 | 112555640 | 112557632 | 112500003 | 112500004 |
| 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 | |
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LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _S-LAB-25-1

OPERATOR(S) E. LEGEAY

| Depth | Turbidimeter (FNU) | PM control (EVERY TWO STATIONS) | Filtration Volume (mL) | N° filtres + weight (mg) | | |
|---------|-------------------------------|----------------------------------|---------------------------|---|------------------------|---------------------------|
| Z00 | 1. 1.81 2. 1.55 3. 1.76 | | mL | N° TEM3 Weight 36.948 | | |
| 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 R01 m | 600 mL <input type="checkbox"/> 30 min. 10 min. | | |
| Z00 | | 600 mL | Z00 R02 m | ###-Z00 HP-2 mL <input type="checkbox"/> 30 min | | |
| Z02 | ###-Z02 PA | mL | Z02 or R03 m | ###-Z02 HP-3 mL <input type="checkbox"/> 30 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 | | 600 mL | N° TE019 Weight 36.204 | | 600 mL | N° TE304 Weight 37.559 |
| Z00 R02 | | 600 mL | N° TE154 Weight 37.157 | | 600 mL | N° TE159 Weight 37.012 |
| Z00 R03 | | 600 mL | N° TE171 Weight 37.904 | | 600 mL | N° TE003 Weight 35.835 |
| 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_ 2024 03 09 _STATION- 1 0 7 _S-LAB-NET-20

OPERATOR(S) E. UEGEAY

YYYY MM DD

#

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)
330 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



340



| | 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 MM DD # # # _STATION- _S-LAB-NET-200

2024 03 09 1 0 7

OPERATOR(S) E. LEGÉAY

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



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



130

15 min



130

15 min

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



200

HG-200
Falcon-15mL
FRZ -20°C



1100



| | 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 MM DD # # # _STATION- # # # _S-LAB-NET-680

OPERATOR(S) E. UEGEAY

Régent 680

NET TOW n° 1

SAMPLE SPLITTING

NET TOW n° 2

FLOWMETER 09729 12396

FLOWMETER Total volume 07469 09729

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



1400

