



LOG_SAMPLES_ YYYY MM DD # # # _STATION- _MERCURY
2024 04 20 1 3 1
 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 | | | | |
| 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 | | #69 133,88 | 2200 | 20 | ###-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 | | | | |



1 3 1 08 30 4508
 20

| Depth | COMMENTS | |
|--------------|------------|--------|
| 200 m | | |
| | | |
| | | |
| | | |
| | 08 30 4508 | 133,88 |
| | | |
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LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _W-LAB-142-1

OPERATOR(S) Celine Dimier

| 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 | 112526345 | 112526346 | <input type="checkbox"/> 20L 18 L | <input checked="" type="checkbox"/> 15 min. min. | 112526347 | <input type="checkbox"/> 20L 18 L |
| Z00 R02 m | 112526348 | 112526349 | <input type="checkbox"/> 20L 14 L | <input checked="" type="checkbox"/> 15 min. min. | 112526350 | <input type="checkbox"/> 20L 14 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 | 112526351 | 112526352 | <input type="checkbox"/> 50L 30 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 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 | 112526353 | 112526354 | <input type="checkbox"/> 50L 45 L | <input checked="" 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 # # # _STATION- # # # _DECK-BGC

OPERATOR(S) Vanessa Pahe

| 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 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 | | | | |



| 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 MM DD # # # _STATION- # # # _TARDIS-SCP

OPERATOR(S) Vanessa Pahl

| 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. | | 4 L | min. |
| Z00 R02 | | <input type="checkbox"/> 2L | <input checked="" type="checkbox"/> 120 min. | | <input type="checkbox"/> 2L | <input checked="" type="checkbox"/> 120 min. |
| m | | 1.9 L | min. | | 1.8 L | min. |
| Z00 R03 | | <input checked="" type="checkbox"/> 2L | <input checked="" type="checkbox"/> 120 min. | | <input type="checkbox"/> 2L | <input checked="" type="checkbox"/> 120 min. |
| m | | L | min. | | 1.8 L | min. |
| Z00 R04 | | <input checked="" type="checkbox"/> 2L | <input checked="" type="checkbox"/> 120 min. | | <input type="checkbox"/> 2L | <input checked="" type="checkbox"/> 120 min. |
| m | | L | min. | | 1.8 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 | |
| Z00 | R02 | |
| | m | |
| Z00 | R03 | |
| | m | |
| Z00 | R04 | |
| | m | |
| Z02 | R01 | |
| | m | |
| Z02 | R02 | |
| | m | |
| Z02 | R03 | |
| | m | |
| Z02 | R04 | |
| | m | |
| | | |
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YYYY MM DD # # #
 LOG_SAMPLES_ **2024 04 20** _STATION- **1 3 1** _S-LAB-OTHER
 OPERATOR(S) **F. de la Copwa**

| 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 extainer +4°C | DGAS 12 mL extainer +4°C | DGAS 12 mL extainer +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 70 L | <input checked="" type="checkbox"/> 30 min. min. | | | |



| Depth | Replicates | ○ 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 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 prealiquot at 4°C | PFA prealiquot at -20°C | Glutaraldehyde prealiquot at - 20°C | | |
| Prealiquot | | Glycerol prealiquot - 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



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

OPERATOR(S) Ioel Di Capua

| Depth | Volume filtered (Litres) | | | | |
|-------|-------------------------------|--|--|--|--|
| Z00 | <input type="checkbox"/> 10 L | | | | |
| m | 2 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) Tole Di Corno

| Depth | Spikes | 13C-DIC time (UTC) in -20°C | 15N-DIC time (UTC) in gaz | | | |
|----------|--------|-----------------------------|---------------------------|--|--|--|
| Z00 m | 1 | 7 : 48 | 7 : 50 | | | |
| Z00 m | 2 | 7 : 48 | 7 : 50 | | | |
| Z00 m | 3 | 7 : 48 | 7 : 52 | | | |

| Depth | Natural abundance - T0 | NAT Filter in alu -20°C | Filtered volume (mL) | Filtration time - start | Filtration time - end | |
|----------|------------------------|-------------------------|----------------------|-------------------------|-----------------------|--|
| Z00 m | NAT-1 | | 600 | 7 : 42 | 8 : 10 | |
| Z00 m | NAT-2 | | 600 | 7 : 42 | 8 : 10 | |
| Z00 m | NAT-3 | | 600 | 7 : 42 | 8 : 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 | | | 1L | 8 : 07 | 8 : 20 |
| Z00 m | PPN2-2 | | | 1L | 8 : 07 | 8 : 20 |
| Z00 m | PPN2-3 | | | 1L | 8 : 07 | 8 : 20 |
| | BLANK | | * +100 µL ZnCl | | | |



LOG_SAMPLES_ YYYY MM DD # # # _STATION- # # # _S-LAB-25-1

OPERATOR(S) Thomas Beavis

| Depth | Turbidimeter (FNU) | | PM control (EVERY TWO STATIONS) | Filtration Volume (mL) | N° filtrés + weight (mg) | |
|---------|------------------------------|------------------------------|--|-------------------------------|------------------------------|---|
| Z00 | 1. 2.02 | | ###-Z00 PM-CTRL | mL | N° | Weight |
| m | 2. 1.98 | | | | | |
| | 3. 1.98 | | | | | |
| Z02 | 1. | | TRIPPLICATES ONCE A MONTH FOR HP | HP Cryo-2mL LN2 #3 | Filtration Volume (mL) | Filtration Duration (minutes) |
| m | 2. | | | | | |
| | 3. | | | | | |
| Depth | PA Petridish FRZ -20°C | Filtration Volume (mL) | Z00 R01 | | 1080 | <input checked="" type="checkbox"/> 30 min. |
| | | | m | | | min. |
| Z00 | | 1080 mL | Z00 R02 | ###-Z00 HP-2 | | <input type="checkbox"/> 30 min |
| m | | | m | | | min. |
| | | | Z00 R03 | ###-Z02 HP-3 | | <input type="checkbox"/> 30 min |
| | | | m | | | min. |
| | | | Z02 R01 | ###-Z02 HP | | <input type="checkbox"/> 30 min. |
| | | | m | | | 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 | | 1080 mL | N° TE378 Weight 36.991 | | 1080 mL | N° TE279 Weight 37.096 |
| m | | | | | | |
| Z00 R02 | | 1080 mL | N° TE0A3 Weight 37.772 | | 1080 mL | N° TE120 Weight 36.051 |
| m | | | | | | |
| Z00 R03 | | 1080 mL | N° TE379 Weight 37.109 | | 1080 mL | N° TE063 Weight 37.902 |
| m | | | | | | |



| 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 MM DD # # # _STATION- # # # _S-LAB-NET-20

OPERATOR(S) Thomas Beavis

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 |
|--|---------|--|---|---------|--|---|
| <input checked="" type="radio"/> S20 Cryo-5mL LN2 #1 | | <input type="checkbox"/> 200 mL (1/8) 150 mL | <input checked="" type="checkbox"/> 15 mn | | <input checked="" type="checkbox"/> 200 mL (1/8) mL | <input checked="" type="checkbox"/> 15 mn |
| FCAM20 Bottle-250mL LIVE | | <input checked="" type="checkbox"/> 200 mL (1/8) | | | | |
| E20 Falcon-15mL + 15mL ETOH FRZ -20°C | | <input checked="" type="checkbox"/> 200 mL (1/8) | | | | |
| S20-L Falcon-5mL FRZ -20°C + 5 mL NucleoProtect | | <input type="checkbox"/> 200 mL (1/8) 150 mL | | | | |
| MB20 Vial-4mL FRZ -20°C | | <input type="checkbox"/> 200 mL (1/8) 540 | | | | |
| FM20 Falcon-50mL FRG +4°C Prealiquoted PFA+GLUTA store at -20°C | | <input type="checkbox"/> 45 mL <input checked="" type="checkbox"/> 15mL | | | <input type="checkbox"/> 45 mL <input checked="" type="checkbox"/> 15mL | |
| HG-20 Falcon-15mL FRZ -20°C | | 370 | | | | |



| | 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) Thomas Beavis

Horizontal
WP11-200

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



150

15 min



130

15 min

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



110

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 | | |
| | | |
| | | |
| | | |



LOG-SAMPLES_ YYYY MM DD # # # _STATION- _S-LAB-NET-680

2021 04 20 1 3 1

OPERATOR(S) **Thomas Beavis**

Régent 680

| SAMPLE SPLITTING | NET TOW n° <input type="checkbox"/> 2 | | FLOWMETER | | NET TOW n° <input type="checkbox"/> 1 | |
|---|---------------------------------------|---|--|---------|---------------------------------------|---------------------|
| | 11786 | 17069 | 06151 | 11786 | 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"/> % | <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 type="checkbox"/> 100 % | | | 12.5 % | 200 mL |
| | | | | | | |
| HG-680 Falcon-15mL FRZ -20°C | | | | | 1400 | |
| | | | | | | |

