

Acropak-200 Cast Sheet

DEMI STATION

Station # Station 6
 Deep, Mid, Shallow shallow
 Cast # 1
 Event # 4070
 Date 11/4/13
 ODF Salinity Box G
 ODF Nutrients Rack Purple

Sampling Order

ODF Salinity 250 mL
 ODF Nutrients 30 mL
 Casciotti - NO₃⁻ - freeze 3x100 mL
 Casciotti - to Brian P ASAP 100 mL
Pressurize GoFlo
 Resing - Al 100 mL
 Resing - Mn 100 mL
 Saito - CO no headspace 2 x 60mL
 Shiller - Ga 125 mL
 Moffett - Fe(II) 60 mL
 Bruland - metals 500 mL
 Flegal - Pb sometimes 1000 mL
 Boyle - Pb sometimes 500 mL

3095 only

2 Hg samples
 + membrane
 filter also
 sampled -
 see Membrane
 sheet for details

Geotraces 2498

Acropak: C2
 Sampler: CZ
 Depth: 1000
 Caro Pos: 1
 Btl #: 34
 Notes:

Geotraces 2500

Acropak: C2
 Sampler: CZ
 Depth: 800
 Caro Pos: 3
 Btl #: 35
 Notes:

Geotraces 2791

Acropak: C2
 Sampler: CZ
 Depth: 600
 Caro Pos: 5
 Btl #: 39
 Notes:

Geotraces 2793

Acropak: C2
 Sampler: CZ
 Depth: 400
 Caro Pos: 7
 Btl #: 41
 Notes:

Geotraces 3085

Acropak: C2
 Sampler: CZ
 Depth: 300
 Caro Pos: 9
 Btl #: 45
 Notes:

Geotraces 3087

Acropak: C2
 Sampler: CZ
 Depth: 180
 Caro Pos: 11
 Btl #: 47
 Notes:

Geotraces 3089

Acropak: D2
 Sampler: CP
 Depth: 150
 Caro Pos: 13
 Btl #: 49
 Notes:

Geotraces 3091

Acropak: D2
 Sampler: CP
 Depth: 125
 Caro Pos: 15
 Btl #: 51
 Notes:

Geotraces 3093

Acropak: D2
 Sampler: CP
 Depth: 95
 Caro Pos: 17
 Btl #: 15
 Notes: *DCM*

Geotraces 3095

Acropak: D2
 Sampler: CP
 Depth: 80
 Caro Pos: 19
 Btl #: 17
 Notes:

Geotraces 3097

Acropak: D2
 Sampler: CP
 Depth: 50
 Caro Pos: 21
 Btl #: 27
 Notes:

Geotraces 3099

Acropak: D2
 Sampler: CP
 Depth: 20
 Caro Pos: 23
 Btl #: 9
 Notes:

Geotraces R/V Thomson Membrane Sample Log

Sample Date: 11/4/13
 UTC Start: 1730
 UTC End: 1904

| | | | | | | | | | | | | |
|------------------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|--------------------|----------------|----------------|----------------|----------------|----------------|
| Station/Cast: S+6 / C+1 | GT Event #: 4072 | | | | | | Notes: 3094 = DCM | | | | | |
| (Shallow/Mid/Deep) (circle one) | Nuts Rack: Purple | | | Salt Rack: G | | | Samplers: LR1RS/5R | | | | | |
| Geotraces #: | Geotraces 2499 | Geotraces 2790 | Geotraces 2792 | Geotraces 3084 | Geotraces 3086 | Geotraces 3088 | Geotraces 3090 | Geotraces 3092 | Geotraces 3094 | Geotraces 3096 | Geotraces 3098 | Geotraces 3100 |
| GoFlo Number: | 12 | 14 | 20 | 22 | 32 | 38 | 40 | 42 | 44 | 46 | 48 | 50 |
| Depth (m): | 1000 | 800 | 600 | 400 | 300 | 180 | 150 | 125 | 95 | 80 | 50 | 20 |
| Filter Holder #: | 1 | 2 | 3 | 4 | 6 | 5 | 7 | 8 | 9 | | 10 | 11 |
| Filter diameter: | 25 | | | | | | | | | | | ▷ |
| Position #: | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 |

Filtered Volume (L)

| | | | | | | | | | | | | |
|-------------|-------|-------|-------|------|------|------|------|------|------|--|------|------|
| Waste: | 8.10 | 7.90 | 7.92 | 6.64 | 7.72 | 3.80 | 3.85 | 2.09 | 2.63 | | 2.50 | 0.55 |
| Drawn: | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | 2.25 | | 2.25 | 1.45 |
| Total: | 10.35 | 10.15 | 10.17 | 8.89 | 9.97 | 6.05 | 6.10 | 4.33 | 4.88 | | 4.75 | 1.99 |
| Start Time: | 1953 | 1953 | 1953 | 1955 | 1957 | 1959 | 2005 | 2007 | 2009 | | 2014 | 2016 |
| End Time: | 2148 | 2148 | 2153 | 2156 | 2157 | 2200 | 2205 | 2207 | 2209 | | 2214 | 2111 |

DCM ditit fine

• Supor Membrane 0.45 µm

| | |
|--------------------|-----------------|
| Sampling Order: | |
| Redox: | |
| Pressurize | |
| Cutter (S) | 2 x 60mL (Syr.) |
| Cutter (I) | 2 x 60mL (Syr.) |
| Moffett (Fe) | 2 x 60mL (Syr.) |
| Unfiltered: | |
| ODF Nuts | 1 x 30mL |
| ODF Salts | 1 x 250mL |
| Shake | |
| Twining-Surface | 1 x 2000mL |
| Twining-DCM | 1 x 250mL |
| Part. Membrane: | |
| Hammerschmidt (Hg) | 1 x 2000mL |
| Lamborg (T. Hg) | 1 x 250mL |
| Cutter (Nnuts) | 1 x 125mL |
| Cutter (As/Sb) | 1 x 250mL |
| Cutter (Se) | 1 x 1190mL |

Notes: **All filtered volume is 2.25 L

~~3095~~ - FH #12 - Start: 2030 - End: 2230 (Forgot to shake!)
 4.70 L total

~~3095~~ - FH #13 - Start: 2116 - End: 2307 (Includes 0.55 L of 2.6 Hg + all of 0.25 L Hg)
 Sample vol = 0.80
 waste vol = 1.74
 V_T = 2.54

← Samples taken

→ 12/13 update:
 Hg + membrane filter for 80m
 Sample taken from GEOT # 3095
 on Aeropak side (LR+CR) - MCS
 (not Fe II)