

**Acropak-200 Cast Sheet****FULL STATION**

Station # Station 30  
 Deep, Mid, Shallow, Shallow  
 Cast # Cast 5  
 Event # 4391  
 Date 12/8/13  
 ODF Salinity Box G  
 ODF Nutrients Rack White

**Sampling Order**

ODF Salinity 250 mL  
 ODF Nutrients 30 mL  
 Resing - Al 100 mL  
 Resing - Mn 100 mL  
 Saito, CO no headspace 2 x 60mL  
 Shiller - Ga 125 mL  
~~Moffett - Fe(II) 30 mL~~  
 Sedwick - dFe 2 x 125mL  
 Barbeau - Cu sp freeze 450 mL  
 Buck - Fe sp freeze 450 mL  
 Bruland - metals 500 mL  
 Wu - metals 500 mL  
 Wu - colloids 500 mL  
 Flegal - Pb shallow 1000 mL  
~~Boyle - Pb mid/deep 2000 mL~~  
 John - isos shallow 4000 mL  
~~John - isos mid/deep 1000 mL~~

**Geotraces 9733**

Acropak: Mars  
 Sampler: CZ  
 Depth: 1000  
 Caro Pos: 1  
 Btl #: 26  
 Notes:

**Geotraces 9735**

Acropak: Mars  
 Sampler: CZ  
 Depth: 865  
 Caro Pos: 3  
 Btl #: 28  
 Notes:

**Geotraces 9737**

Acropak: Mars  
 Sampler: CZ  
 Depth: 710  
 Caro Pos: 5  
 Btl #: 30  
 Notes:

**Geotraces 9739**

Acropak: Mars  
 Sampler: CZ  
 Depth: 1160  
 Caro Pos: 7  
 Btl #: 36  
 Notes:

**Geotraces 9741**

Acropak: Mars  
 Sampler: CZ  
 Depth: 360  
 Caro Pos: 9  
 Btl #: 2  
 Notes:

**Geotraces 9743**

Acropak: Mars  
 Sampler: CZ  
 Depth: 280  
 Caro Pos: 11  
 Btl #: 4  
 Notes:

**Geotraces 9745**

Acropak: Catalina  
 Sampler: CP  
 Depth: 200  
 Caro Pos: 13  
 Btl #: 6  
 Notes:

**Geotraces 9747**

Acropak: Catalina  
 Sampler: CP  
 Depth: 155  
 Caro Pos: 15  
 Btl #: 8  
 Notes:

**Geotraces 9749**

Acropak: Catalina  
 Sampler: CP  
 Depth: 110  
 Caro Pos: 17  
 Btl #: 10  
 Notes:

**Geotraces 9751**

Acropak: Catalina  
 Sampler: CP  
 Depth: 85  
 Caro Pos: 19  
 Btl #: 16  
 Notes:

**Geotraces 9753**

Acropak: Catalina  
 Sampler: CP  
 Depth: 60  
 Caro Pos: 21  
 Btl #: 18  
 Notes:

**Geotraces 9755**

Acropak: Catalina  
 Sampler: CP  
 Depth: 30  
 Caro Pos: 23  
 Btl #: 24  
 Notes:

# Geotracess R/V Thompson Membrane Sample Log

Sample Date: 12/9/13  
 UTC Start: 2336  
 UTC End: 0046

|                                  |                  |                 |                  |                 |                 |                 |                 |                  |                 |                 |                 |                 |  |
|----------------------------------|------------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|--|
| Station/Cast: Station 30 Cast 5  | GT Event #: 4391 |                 | Nuts Rack: White |                 |                 |                 |                 | Samplers: WRS1SR |                 | Notes: DCM=85   |                 |                 |  |
| Shallow/Mid/Deep<br>(circle one) |                  | Salts Rack: G   |                  |                 |                 |                 |                 |                  |                 |                 |                 |                 |  |
| Geotracess #:                    | Geotracess 9734  | Geotracess 9736 | Geotracess 9738  | Geotracess 9740 | Geotracess 9742 | Geotracess 9744 | Geotracess 9746 | Geotracess 9748  | Geotracess 9750 | Geotracess 9752 | Geotracess 9754 | Geotracess 9756 |  |
| GoFlo Number:                    | 1                | 3               | 5                | 7               | 11              | 13              | 19              | 21               | 29              | 31              | 33              | 37              |  |
| Depth (m):                       | 1000             | 865             | 710              | 460             | 360             | 280             | 200             | 155              | 110             | 85              | 60              | 30              |  |
| Filter Holder #:                 | 40               | 39              | 38               | 37              | 30              | 35              | 34              | 33               | 32              | 31              | 30              | 29              |  |
| Filter diameter:                 | 25mm             |                 |                  |                 |                 |                 |                 |                  |                 |                 |                 | 0               |  |
| Position #:                      | 2                | 4               | 6                | 8               | 10              | 12              | 14              | 16               | 18              | 20              | 22              | 24              |  |

## Filtered Volume (L)

|             |      |      |       |       |       |       |       |      |       |      |      |      |
|-------------|------|------|-------|-------|-------|-------|-------|------|-------|------|------|------|
| Waste:      | 7.68 | 7.73 | 7.94  | 7.86  | 7.76  | 7.99  | 8.05  | 7.69 | 8.10  | 3.63 | 2.01 | 2.05 |
| Drawn:      | 2.25 | 2.25 | 2.25  | 2.25  | 2.25  | 2.25  | 2.25  | 2.25 | 2.25  | 2.25 | 2.25 | 2.25 |
| Total:      | 9.93 | 9.98 | 10.19 | 10.11 | 10.01 | 10.24 | 10.30 | 9.94 | 10.35 | 5.88 | 4.26 | 4.30 |
| Start Time: | 135  | 134  | 133   | 132   | 131   | 130   | 129   | 128  | 127   | 126  | 125  | 124  |
| End Time:   | 305  | 305  | 306   | 306   | 305   | 306   | 307   | 328  | 326   | 326  | 325  | 324  |

• 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 3.815L  
 2.25L

All Filters from Fish Batch (2)

9756  
 9752