

**Acropak-200 Cast Sheet**

**FULL STATION**

Station # Station 23  
 Deep, Mid, Shallow, Mid  
 Cast # Cast 9  
 Event # 4302  
 Date 11/29/13  
 ODF Salinity Box F  
 ODF Nutrients Rack Blue

**Sampling Order**

ODF Salinity 250 mL  
 ODF Nutrients 30 mL  
~~Resing - Unfiltered~~  
 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 9073**

Acropak: Atticus  
 Sampler: CZ  
 Depth: 2500  
 Caro Pos: 1  
 Btl #: 21  
 Notes:

**Geotraces 9075**

Acropak: Atticus  
 Sampler: CZ  
 Depth: 2450  
 Caro Pos: 3  
 Btl #: 29  
 Notes:

**Geotraces 9077**

Acropak: Atticus  
 Sampler: CZ  
 Depth: 2400  
 Caro Pos: 5  
 Btl #: 31  
 Notes:

**Geotraces 9079**

Acropak: Atticus  
 Sampler: CZ  
 Depth: 2350  
 Caro Pos: 7  
 Btl #: 33  
 Notes:

**Geotraces 9081**

Acropak: Atticus  
 Sampler: CZ  
 Depth: 2300  
 Caro Pos: 9  
 Btl #: 37  
 Notes:

**Geotraces 9083**

Acropak: Atticus  
 Sampler: CZ  
 Depth: 2200  
 Caro Pos: 11  
 Btl #: 1  
 Notes:

**Geotraces 9085**

Acropak: Moby Dick  
 Sampler: CP  
 Depth: 2100  
 Caro Pos: 13  
 Btl #: 3  
 Notes:

**Geotraces 9087**

Acropak: Moby Dick  
 Sampler: CP  
 Depth: 2000  
 Caro Pos: 15  
 Btl #: 5  
 Notes:

**Geotraces 9089**

Acropak: Moby Dick  
 Sampler: CP  
 Depth: 1750  
 Caro Pos: 17  
 Btl #: 7  
 Notes:

**Geotraces 9091**

Acropak: Moby Dick  
 Sampler: CP  
 Depth: 1500  
 Caro Pos: 19  
 Btl #: 11  
 Notes:

**Geotraces 9093**

Acropak: Moby Dick  
 Sampler: CP  
 Depth: 1250  
 Caro Pos: 21  
 Btl #: 13  
 Notes:

**Geotraces 9095**

Acropak: Moby Dick  
 Sampler: CP  
 Depth: 1000  
 Caro Pos: 23  
 Btl #: 19  
 Notes:

# Geotraces R/V Thompson Membrane Sample Log

Sample Date: 11/29/13  
 UTC Start: 1413  
 UTC End: 1600

Station/Cast: Station 23 Cast 9  
 GT Event #: 4302  
 Shallow/Mid/Deep (circle one): Mid  
 Nuts Rack: Blue  
 Salts Rack: F  
 Samplers: CRISISR  
 Notes:

Geotraces #:	Geotraces 9074	Geotraces 9076	Geotraces 9078	Geotraces 9080	Geotraces 9082	Geotraces 9084	Geotraces 9086	Geotraces 9088	Geotraces 9090	Geotraces 9092	Geotraces 9094	Geotraces 9096
GoFlo Number:	2	4	6	8	10	16	18	24	26	28	30	36
Depth (m):	2500	2450	2400	2350	2300	2200	2100	2000	<del>1750</del> 1400	1500	1250	1000
Filter Holder #:	1	2	3	4	5	6	7	8	9	10	11	12
Filter diameter:	25mm	_____										
Position #:	2	4	6	8	10	12	14	16	18	20	22	24

## Filtered Volume (L)

Waste:	8.01	3.30	7.88	8.22	3.64	7.97	7.84	8.44	7.84	7.42	8.08	8.18
Drawn:	2.25	6.65	2.25	2.25	6.65	2.25	2.25	2.25	2.25	2.25	2.25	2.25
Total:	10.26	9.95	10.13	10.47	10.29	10.22	10.09	10.69	10.09	9.67	10.33	10.43
Start Time:	1656	1655	1653	1652	1651	1650	1649	1650	1651	1654	1655	1656
End Time:	641	640	638	638	640	634	639	642	639	640	639	642

CFE

CFE

### • 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  $\frac{2.25}{4}$   
 \* All super batch #8  
 \* CFE on 9076 + 9082  
 Note: No obvious visual difference between plume-depth and non-plume samples