

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

Station # Station 19<sup>20</sup>  
 Deep, Mid, Shallow, Deep  
 Cast # Cast 1  
 Event # 4252  
 Date 11/23/13  
 ODF Salinity Box B  
 ODF Nutrients Rack Black

**Sampling Order**

ODF Salinity 250 mL  
 ODF Nutrients 30 mL  
 Resins - 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  
 Cutter - As/Sb 250 mL

**Geotraces 8629**

Acropak: Ben  
 Sampler: CZ  
 Depth: 3160  
 Caro Pos: 1  
 Btl #: 30  
 Notes:

**Geotraces 8631**

Acropak: Ben  
 Sampler: CZ  
 Depth: 3100  
 Caro Pos: 3  
 Btl #: 36  
 Notes:

**Geotraces 8633**

Acropak: Ben  
 Sampler: CZ  
 Depth: 3000  
 Caro Pos: 5  
 Btl #: 2  
 Notes:

**Geotraces 8635**

Acropak: Ben  
 Sampler: CZ  
 Depth: 2900  
 Caro Pos: 7  
 Btl #: 4  
 Notes:

**Geotraces 8637**

Acropak: Ben  
 Sampler: CZ  
 Depth: 2800  
 Caro Pos: 9  
 Btl #: 6  
 Notes:

**Geotraces 8639**

Acropak: Ben  
 Sampler: CZ  
 Depth: 2750  
 Caro Pos: 11  
 Btl #: 8  
 Notes:

**Geotraces 8641**

Acropak: Jennifer  
 Sampler: CP  
 Depth: 2700  
 Caro Pos: 13  
 Btl #: 10  
 Notes:

**Geotraces 8643**

Acropak: Jennife  
 Sampler: CP  
 Depth: 2650  
 Caro Pos: 15  
 Btl #: 16  
 Notes:

**Geotraces 8645**

Acropak: Jenn. Fer  
 Sampler: CP  
 Depth: 2600  
 Caro Pos: 17  
 Btl #: 18  
 Notes:

**Geotraces 8647**

Acropak: Jennifer  
 Sampler: CP  
 Depth: 2550  
 Caro Pos: 19  
 Btl #: 24  
 Notes:

**Geotraces 8649**

Acropak: Jennifer  
 Sampler: CP  
 Depth: 2500  
 Caro Pos: 21  
 Btl #: 26  
 Notes:

**Geotraces 8651**

Acropak: Jennifer  
 Sampler: CP  
 Depth: 2450  
 Caro Pos: 23  
 Btl #: 28  
 Notes:

# Geotraces R/V Thompson Membrane Sample Log

Sample Date: 11/23/13

UTC Start: 2206

Station/Cast: Station 11 Cast 1

GT Event #: 42 52

UTC End: 0038

Shallow/Mid/Deep  
(circle one)

Nuts Rack: Black

Samplers: LR/RS/SP

Notes:

Salts Rack: B

Geotraces #:	Geotraces 8630	Geotraces 8632	Geotraces 8634	Geotraces 8636	Geotraces 8638	Geotraces 8640	Geotraces 8642	Geotraces 8644	Geotraces 8646	Geotraces 8648	Geotraces 8650	Geotraces 8652
GoFlo Number:	1	3	5	7	11	13	19	21	29	31	33	37
Depth (m):	3160	3100	3000	2900	2800	2750	2700	2650	2600	2550	2500	2450
Filter Holder #:	16	17	18	19	20	21	22	23	24	25	26	28
Filter diameter:	25mm											→
Position #:	2	4	6	8	10	12	14	16	18	20	22	24

## Filtered Volume (L)

Waste:	8.30	7.60	7.71	8.20	7.46	7.99	7.83	8.20	7.82	7.53	8.19	1.31
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:	10.55	9.85	9.46	10.45	9.71	10.24	10.08	10.45	10.07	9.78	10.44	3.56
Start Time:	154	146	145	145	144	143	136	135	132	132	131	129
End Time:	336	326	327	329	326	326	325	321	326	321	323	207

\*A

Sampling Order:

Redox:

Pressurize

Gutter (S) ~~2 x 60mL (Syr.)~~

Cutter (I) 2 x 60mL (Syr.)

Moffett(Fe) 1 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~~

Supor Membrane 0.45 µm

Notes: \*\*All filtered volume is 3.815L 2.25L

# 8630 - Testing 6 different batches of filters  
Bad Batches - #9

#8652 - Time series filtration test. Three  
time points (A, B, C)

whole cast used filter Batch 7.

Maybe one more cast from  
next cast already loaded with batch 7,  
maybe can get one more after that.

→ Taken on Aeropak side