

Acropak-200 Cast Sheet

SUPER STATION

Station # Station 18
 Deep, Mid, Shallow, Deep
 Cast # Cast 2
 Event # 4233
 Date 11/21/13
 ODF Salinity Box Blue
 ODF Nutrients Rack G 18

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 900 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 250mL

Geotraces 8410

Acropak: Maggie
 Sampler: CZ
 Depth: 2625
 Caro Pos: 1
 Btl #: 48
 Notes:

Geotraces 8412

Acropak: Maggie
 Sampler: CZ
 Depth: 2610
 Caro Pos: 3
 Btl #: 39
 Notes:

Geotraces 8414

Acropak: Maggie
 Sampler: CZ
 Depth: 2575
 Caro Pos: 5
 Btl #: 49
 Notes:

Geotraces 8416

Acropak: Maggie
 Sampler: CZ
 Depth: 2550
 Caro Pos: 7
 Btl #: 51
 Notes:

Geotraces 8418

Acropak: Maggie
 Sampler: CZ
 Depth: 2525
 Caro Pos: 9
 Btl #: 41
 Notes:

Geotraces 8420

Acropak: Maggie
 Sampler: CZ
 Depth: 2500
 Caro Pos: 11
 Btl #: 17
 Notes:

Geotraces 8422

Acropak: Liberaci
 Sampler: CP
 Depth: 2475
 Caro Pos: 13
 Btl #: 50
 Notes:

Geotraces 8424

Acropak: Liberaci
 Sampler: CP
 Depth: 2450
 Caro Pos: 15
 Btl #: 9
 Notes:

Geotraces 8426

Acropak: Liberaci
 Sampler: CP
 Depth: 2425
 Caro Pos: 17
 Btl #: 34
 Notes:

Geotraces 8428

Acropak: Liberaci
 Sampler: CP
 Depth: 2400
 Caro Pos: 19
 Btl #: 35
 Notes:

Geotraces 8430

Acropak: Liberaci
 Sampler: CP
 Depth: 2375
 Caro Pos: 21
 Btl #: 47
 Notes:

Geotraces 8432

Acropak: Liberaci
 Sampler: CP
 Depth: 2350
 Caro Pos: 23
 Btl #: 15
 Notes:

Geotraces R/V Thompson Membrane Sample Log

Sample Date: 11/21/13
 UTC Start: 0032
 UTC End: 0232

Station/Cast: Station 18 cast	GT Event #: 4233					Sample Date: 11/21/13			UTC Start: 0032			UTC End: 0232
Shallow/Mid/Deep (circle one)	Nuts Rack: Blue					Samplers: LRPS/SR			Notes:			
	Salts Rack: G											
Geotraces #:	Geotraces 8411	Geotraces 8413	Geotraces 8415	Geotraces 8417	Geotraces 8419	Geotraces 8421	Geotraces 8423	Geotraces 8425	Geotraces 8427	Geotraces 8429	Geotraces 8431	Geotraces 8433
GoFlo Number:	12	14	20	22	32	38	40	42	44	26	45	27
Depth (m):	2625	2610	2575	2550	2525	2500	2475	2450	2425	2400	2375	2350
Filter Holder #:	25	24	23	22	21	20	19	18	17	16	15	14
Filter diameter:	25mm											→
Position #:	2	4	6	8	10	12	14	16	18	20	22	24

Filtered Volume (L)

Waste:	5.84	2.77	6.36	6.68	6.03	2.50	4.78	2.745	6.54	5.60	6.04	6.40
Drawn:	3.44	7.84	3.44	3.69	3.44	7.84	3.44	7.84	3.44	3.44	3.44	3.44
Total:	9.28	10.61	9.80	10.37	9.47	10.34	8.22	10.585	9.98	9.04	9.48	9.84
Start Time:	401	402	403	404	405	406	406	404	401	400	359	358
End Time:	530	552	540	540	540	546	530	542	546	535	535	540

- 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

$$\begin{array}{r} 2250 \\ 344 \\ 44 \\ \hline 3440 \\ 250 \\ \hline 3690 \end{array}$$

Supor Membrane 0.45 µm

Notes: **All filtered volume is 3-815L

Problem = Sara started top 5 filters but dripping slowly right away, as if filters are 0.2µm again. Stopped all flows, removed filter holder. Delay while Sara puts back bottle #7 filters in the set of filter holders, which worked much better.

GoFlos 8423 + 8411 stopped early for prows, blanks
 ↳ 800ml + 8417 for 1.245L total, FH#26
 ↳ 1400ml + 8431 for 1.70L total, FH#28

↳ Taken on Aeropak side except for 8417 which was taken on air side