

Acropak-200 Cast Sheet

SUPER STATION

Station # Station 26
 Deep, Mid, Shallow, Deep
 Cast # Cast 1
 Event # 4330
 Date 12/3/13
 ODF Salinity Box A
 ODF Nutrients Rack Purple

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 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

Geotraces 9302

Acropak: Hullabaloo
 Sampler: CZ
 Depth: 3965
 Caro Pos: 1
 Btl #: 2
 Notes:

Geotraces 9304

Acropak: Hullabaloo
 Sampler: CZ
 Depth: 3900
 Caro Pos: 3
 Btl #: 4
 Notes:

Geotraces 9306

Acropak: Hullabaloo
 Sampler: CZ
 Depth: 3750
 Caro Pos: 5
 Btl #: 6
 Notes:

Geotraces 9308

Acropak: Hullabaloo
 Sampler: CZ
 Depth: 3500
 Caro Pos: 7
 Btl #: 8
 Notes:

Geotraces 9310

Acropak: Hullabaloo
 Sampler: CZ
 Depth: 3250
 Caro Pos: 9
 Btl #: 10
 Notes:

Geotraces 9312

Acropak: Hullabaloo
 Sampler: CZ
 Depth: 3000
 Caro Pos: 11
 Btl #: 16
 Notes:

Geotraces 9314

Acropak: Wingding
 Sampler: CP
 Depth: 2900
 Caro Pos: 13
 Btl #: 18
 Notes:

Geotraces 9316

Acropak: Wingding
 Sampler: CP
 Depth: 2800
 Caro Pos: 15
 Btl #: 24
 Notes: plume max!

Geotraces 9318

Acropak: Wingding
 Sampler: CP
 Depth: 2750
 Caro Pos: 17
 Btl #: 26
 Notes:

Geotraces 9320

Acropak: Wingding
 Sampler: CP
 Depth: 2700
 Caro Pos: 19
 Btl #: 28
 Notes:

Geotraces 9322

Acropak: Wingding
 Sampler: CP
 Depth: 2650
 Caro Pos: 21
 Btl #: 30
 Notes:

Geotraces 9324

Acropak: Wingding
 Sampler: CP
 Depth: 2600
 Caro Pos: 23
 Btl #: 36
 Notes:

Geotraces R/V Thompson Membrane Sample Log

Sample Date: 12/3/13

UTC Start: 2333

Station/Cast: Station 26 Cast 1

GT Event #: 4330

12/3/13

UTC End: 0241

Shallow/Mid/Deep (circle one)	Nuts Rack: purple		Salters Rack: A		Samplers: UR1515R		Notes:					
Geotraces #:	Geotraces 9303	Geotraces 9305	Geotraces 9307	Geotraces 9309	Geotraces 9311	Geotraces 9313	Geotraces 9315	Geotraces 9317	Geotraces 9319	Geotraces 9321	Geotraces 9323	Geotraces 9325
GoFlo Number:	1	3	5	7	11	13	19	21	29	31	33	37
Depth (m):	3965	3900	3750	3500	3250	3000	2900	2800	2750	2700	2650	2600
Filter Holder #:	12	11	10	9	8	7	6	5	4	3	2	1
Filter diameter:	25mm											
Position #:	2	4	6	8	10	12	14	16	18	20	22	24

Filtered Volume (L)

Waste:	8.20	7.90	7.97	5.80	8.03	8.12	8.18	8.32	8.08	?	?	5.72
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:	10.45	10.15	10.22	8.05	10.28	10.37	10.43	10.57	10.33	10.30	10.30	7.97
Start Time:	314	315	316	317	318	319	320	319	318	317	315	314
End Time:	503	500	501	438	459	455	503	505	504	?	?	438

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

Supor Membrane 0.45 µm

Notes: **All filtered volume is 3.815L
2.25

process blanks: 9309 → FH#27, acropac hullabaloo, 1.68L
9325 → FH#13, acropac winging, 2L

colloids taken on 9323 + 9321

9323 waste = 5.9L + some drawn for colloids
9321 waste = 5.88L

Sampler from well 16, process blanks from 418

$$\begin{array}{r} 10.14 \\ 5.9 \\ \hline 4.50 \\ 2.25 \\ \hline 2.25 \end{array}$$

$$\begin{array}{r} 5.9 \\ 1.75 \\ 2.25 \\ \hline 9.90 \end{array}$$

estimated
could be ±4%