

Acropak-200 Cast Sheet**DEMI STATION**

Station # Station 14
 Deep, Mid, Shallow shallow
 Cast # Cast 1
 Event # 4182
 Date 11/15/13
 ODF Salinity Box F
 ODF Nutrients Rack White

Sampling Order*Pressurize GoFlo*

ODF Salinity 250 mL
 ODF Nutrients 30 mL
 Casciotti - NO₃⁻ - freeze 3x100 mL
 Casciotti - to Brian P ASAP 100 mL
 Resing - Al 100 mL
 Resing - Mn 100 mL
 Saito - CO no headspace 2 x 60mL
 Shiller - Ga 125 mL
~~Moffet - Fe(II) 60mL~~
 Bruland - metals 500 mL
 Flegal - Pb sometimes 1000 mL
~~Boyle - Pb sometimes 500 mL~~

Geotraces 3891

Acropak: Rocky
 Sampler: CZ
 Depth: 1000
 Caro Pos: 1
 Btl #: 18
 Notes:

Geotraces 3893

Acropak: Rocky
 Sampler: CZ
 Depth: 750
 Caro Pos: 3
 Btl #: 24
 Notes:

Geotraces 3895

Acropak: Rocky
 Sampler: CZ
 Depth: 500
 Caro Pos: 5
 Btl #: 26
 Notes:

Geotraces 3897

Acropak: Rocky
 Sampler: CZ
 Depth: 400
 Caro Pos: 97
 Btl #: 28
 Notes:

Geotraces 3899

Acropak: Rocky
 Sampler: CZ
 Depth: 350
 Caro Pos: 149
 Btl #: 30
 Notes:

Geotraces 3901

Acropak: Rocky
 Sampler: CZ
 Depth: 320
 Caro Pos: 1311
 Btl #: 36
 Notes:

Geotraces 3903

Acropak: Blwinkle
 Sampler: CP
 Depth: 275
 Caro Pos: 1873
 Btl #: 2
 Notes:

Geotraces 3905

Acropak: Blwinkle
 Sampler: CP
 Depth: 200
 Caro Pos: 1715
 Btl #: 4
 Notes:

Geotraces 3907

Acropak: Blwinkle
 Sampler: CP
 Depth: 125
 Caro Pos: 1917
 Btl #: 6
 Notes:

Geotraces 3909

Acropak: Blwinkle
 Sampler: CP
 Depth: 95
 Caro Pos: 219
 Btl #: 8
 Notes:

Geotraces 3911

Acropak: Blwinkle
 Sampler: CP
 Depth: 70
 Caro Pos: 21
 Btl #: 10
 Notes:

Geotraces 3913

Acropak: Blwinkle
 Sampler: CP
 Depth: 20
 Caro Pos: 23
 Btl #: 16
 Notes:

Geotraces R/V Thompson Membrane Sample Log

Sample Date:

11/15/13

UTC Start: 1740

UTC End: 1849

Station/Cast: Station 14 Cast 1	GT Event #: 4182					Sample Date: 11/15/13			UTC Start: 1740			UTC End: 1849	
Shallow/Mid/Deep (circle one)	Nuts Rack: White					Samplers: LR/RS/SD			Notes:				
	Salts Rack: F												
Geotraces #:	3892	3894	3896	3898	3900	3902	3904	3906	3908	3910	3912	3914	
GoFlo Number:	1	3	5	7	11	13	19	21	29	31	33	37	
Depth (m):	1000	750	500	400	350	320	275	200	125	95	70	20	
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:	4.06	3.90	4.16	3.97	4.20	4.10	3.90	4.18	3.42	1.58	0.62	0.39
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:	6.31	6.15	6.41	6.22	6.45	6.35	6.15	6.43	5.67	3.83	2.87	2.64
Start Time:	1950	1948	1946	1944	1942	1940	1938	1938	1935	1934	1933	1932
End Time:	2150	2148	2146	2144	2142	2140	2138	2136	2135	2134	2133	2131

Supor Membrane 0.45 µm

Notes: **All filtered volume is 3.815L 2.25

#3914 - Small Hg bottle not full at 2:00 hrs, so left it longer

Note: All volumes surprisingly small. Why? Filter batch (4)? Higher bromines? (Not evident in optics). Doubled 3914+3912 filters?

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