

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

Station # Station 23  
 Deep, Mid, Shallow, Shallow  
 Cast # Cast 5  
 Event # 4296  
 Date 11/28/13  
 ODF Salinity Box G  
 ODF Nutrients Rack Green  
White

**Sampling Order**

ODF Salinity 250 mL  
 ODF Nutrients 30 mL  
 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 9011**

Acropak: ~~Madam Currie~~ Einstein  
 Sampler: CZ  
 Depth: 1000  
 Caro Pos: 1  
 Btl #: 19  
 Notes:

**Geotraces 9013**

Acropak: Einstein  
 Sampler: CZ  
 Depth: 750  
 Caro Pos: 3  
 Btl #: 21  
 Notes:

**Geotraces 9015**

Acropak: Einstein  
 Sampler: CZ  
 Depth: 500  
 Caro Pos: 5  
 Btl #: 29  
 Notes:

**Geotraces 9017**

Acropak: Einstein  
 Sampler: CZ  
 Depth: 350  
 Caro Pos: 7  
 Btl #: 31  
 Notes:

**Geotraces 9019**

Acropak: Einstein  
 Sampler: CZ  
 Depth: 290  
 Caro Pos: 9  
 Btl #: 33  
 Notes:

**Geotraces 9021**

Acropak: Einstein  
 Sampler: CZ  
 Depth: 230  
 Caro Pos: 11  
 Btl #: 37  
 Notes:

**Geotraces 9023**

Acropak: Madam Currie  
 Sampler: CP  
 Depth: 180  
 Caro Pos: 13  
 Btl #: 1  
 Notes:

**Geotraces 9025**

Acropak: Madam Currie  
 Sampler: CP  
 Depth: 120  
 Caro Pos: 15  
 Btl #: 3  
 Notes:

**Geotraces 9027**

Acropak: Madam Currie  
 Sampler: CP  
 Depth: 90  
 Caro Pos: 17  
 Btl #: 5  
 Notes:

**Geotraces 9029**

Acropak: Madam Currie  
 Sampler: CP  
 Depth: 75  
 Caro Pos: 19  
 Btl #: 7  
 Notes:

**Geotraces 9031**

Acropak: Madam Currie  
 Sampler: CP  
 Depth: 50  
 Caro Pos: 21  
 Btl #: 11  
 Notes:

**Geotraces 9033**

Acropak: Madam Currie  
 Sampler: CP  
 Depth: 20  
 Caro Pos: 23  
 Btl #: 13  
 Notes:

# Geotraces R/V Thompson Membrane Sample Log

Sample Date: 11/28/13  
 UTC Start: 2039  
 UTC End: 2150

Station/Cast: Station 23 Cast 5  
 GT Event #: 4296  
 Nuts Rack: white  
 Salts Rack: G  
 Samplers: LR, RS, SR  
 Notes:

Shallow/Mid/Deep (circle one)												
Geotraces #:	Geotraces 9012	Geotraces 9014	Geotraces 9016	Geotraces 9018	Geotraces 9020	Geotraces 9022	Geotraces 9024	Geotraces 9026	Geotraces 9028	Geotraces 9030	Geotraces 9032	Geotraces 9034
GoFlo Number:	2	4	6	8	10	16	18	24	26	28	30	36
Depth (m):	1000	750	500	350	290	230	180	120	90	75	50	20
Filter Holder #:	29	30	31	32	33	34	35	36	37	38	39	40
Filter diameter:	25mm											
Position #:	2	4	6	8	10	12	14	16	18	20	22	24

**Filtered Volume (L)**

Waste:	7.87	7.82	8.00	8.40	7.75	7.81	8.18	6.00	3.40	1.07	2.20	3.78
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:	10.12	10.07	10.27	10.65	10.00	10.06	10.43	8.25	5.65	3.32	4.45	6.03
Start Time:	2240	2238	2236	2234	2232	2231	2230	2229	2228	2227	2226	2225
End Time:	0019	0019	0019	0019	0019	0019	0019	0029	0028	0027	0026	0025

• Supor Membrane 0.45 µm

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

All Super Batch (8)

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 <sup>250</sup>2000mL } → 9028  
 Twining-DCM 1 x 250mL } → 9034  
 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