

**Acropak-200 Cast Sheet**

**FULL STATION**

Station # Station 21  
 Deep, Mid, Shallow, Shallow  
 Cast # Cast 5  
 Event # 4275  
 Date 11/26/13  
 ODF Salinity Box \_\_\_\_\_  
 ODF Nutrients Rack \_\_\_\_\_

**Geotraces 8830**

Acropak: Alucus  
 Sampler: CZ  
 Depth: 1000  
 Caro Pos: 1  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**Geotraces 8832**

Acropak: \_\_\_\_\_  
 Sampler: CZ  
 Depth: 750  
 Caro Pos: 3  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**Geotraces 8834**

Acropak: \_\_\_\_\_  
 Sampler: CZ  
 Depth: 500  
 Caro Pos: 5  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**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 mtd/deep 1000 mL~~

**Geotraces 8836**

Acropak: \_\_\_\_\_  
 Sampler: CZ  
 Depth: 450  
 Caro Pos: 7  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**Geotraces 8838**

Acropak: \_\_\_\_\_  
 Sampler: CZ  
 Depth: 360  
 Caro Pos: 9  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**Geotraces 8840**

Acropak: \_\_\_\_\_  
 Sampler: CZ  
 Depth: 300  
 Caro Pos: 11  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**Geotraces 8842**

Acropak: Scout  
 Sampler: CP  
 Depth: 225  
 Caro Pos: 13  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**Geotraces 8844**

Acropak: \_\_\_\_\_  
 Sampler: CP  
 Depth: 150  
 Caro Pos: 15  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**Geotraces 8846**

Acropak: \_\_\_\_\_  
 Sampler: CP  
 Depth: 125  
 Caro Pos: 17  
 Btl #: \_\_\_\_\_  
 Notes: \* Shrimp in Acropak/cutto  
 - Shrimp removed before sampling

**Geotraces 8848**

Acropak: \_\_\_\_\_  
 Sampler: CP  
 Depth: 90  
 Caro Pos: 19  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**Geotraces 8850**

Acropak: \_\_\_\_\_  
 Sampler: CP  
 Depth: 60  
 Caro Pos: 21  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

**Geotraces 8852**

Acropak: \_\_\_\_\_  
 Sampler: CP  
 Depth: 20  
 Caro Pos: 23  
 Btl #: \_\_\_\_\_  
 Notes: \_\_\_\_\_

# Geotraces R/V Thompson Membrane Sample Log

Sample Date: 11/26/13  
 UTC Start: 939  
 UTC End: 1047

Station/Cast: Station 21 (215)	GT Event #: 4275					Sample Date: 11/26/13			UTC Start: 939			UTC End: 1047
Shallow/Mid/Deep (circle one)	Nuts Rack: green					Samplers: LR/RS/SD		Notes:				
	Salts Rack: G											
Geotraces #:	8831	8833	8835	8837	8839	8841	8843	8845	8847	8849	8851	8853
GoFlo Number:	2	4	6	8	10	12	14	16	18	20	22	24
Depth (m):	1000	750	500	450	360	300	225	150	125	90	60	20
Filter Holder #:	40	39	38	37	36	35	34	33	32	31	30	29
Filter diameter:	25mm											→
Position #:	2	4	6	8	10	12	14	16	18	20	22	24

## Filtered Volume (L)

Waste:	6.47	6.52	6.49	7.02	6.62	6.71	6.82	4.80	6.74	1.57	1.52	1.54
Drawn:	3.565	3.565	3.565	3.565	3.565	3.565	3.565	3.565	3.565	3.565	2.375	2.375
Total:	10.035	10.085	10.055	10.585	10.185	10.275	10.385	8.365	10.305	5.138	3.895	3.915
Start Time:	1141	1140	1139	1138	1137	1136	1135	1133	1132	1131	1130	1129
End Time:	1314	1313	1311	1329	1312	1306	1306	1133	1131	1131	1130	1129

• Supor Membrane 0.45 µm

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

Notes: \*\*All filtered volume is 3.815L  
 3.5652

→ 8853 + 8851

→ 8851 + 8853 Taken w/ Aeropak net membrane

365  
 250  
 815