2008-01 Chlorophyll precision

Precision statement for replicate samples drawn from a single Niskin bottle:

The pooled standard deviation for Chlorophyll:Extracted:Bottle for the range 0.189 to 0.787 mg/m^3 was 0.014,
k = 13 (0 outlier removed) where k is the number of pairs of duplicates.

Pooled standard deviation of pairs of samples (Sp) was calculated by:
Sp = SQRT{sum (d*d)/2k}
where k = number of pairs and d = difference between pairs

Duplicate samples from a single Niskin bottle

Event Number	Sample Number	Station	Pressure dbar	Chlorophyll 1 mg/m^3	Chlorophyll 2 mg/m^3	Rejected yes / no	Comment
6	18	P2	25.5	0.607	0.629		
13	39	P4	16.9	0.766	0.787		
18	100	P8	50.1	0.624	0.650		
27	160	P12	24.2	0.410	0.395		
31	192	P16	14.6	0.462	0.440		
37	265	P20	2.7	0.443	0.420		
45	319	P26	10.5	0.361	0.354		
51	384	Pa-001	16.2	0.355	0.367		
56	419	M2	25.2	0.489	0.502		
57	432	M3	10.5	0.487	0.466		
58	448	M4	5.2	0.189	0.207		
61	468	Ri1	24.9	0.353	0.376		
74	497	Ri4	25.3	0.302	0.321		