

## 2008-26 Salinity Duplicates

### Precision statement for replicate samples drawn from a single Niskin bottle, Autosol or Portasal analysis:

The pooled standard deviation for Salinity:Bottle for the range 33.2053 to 34.6773 was 0.0017,  
k = 5 (2 outliers removed) where k is the number of pairs of duplicates.

The pooled standard deviation of pairs of samples (Sp) was calculated by:

$$Sp = \text{SQRT}\{\text{sum } (d*d)/2k\}$$

where k is the number of pairs and d is the difference between pairs.

### Duplicate samples from a single Niskin bottle - Autosol analysis.

Event Number	Sample Number	Station	Pressure dbar	Salinity 1	Salinity 2	Rejected yes / no	Comment
3	15	P2	75.0	33.2600	33.2603		
18	126	P8	1999.0	34.5847	34.5898	yes	
26	218	P12	50.0	32.5061	32.5113	yes	
34	247	P16	2498.7	34.6352	34.6362		
59	463	P26	3499.5	34.6773	34.6723		
86	582	M4	349.9	33.4657	33.4666		
89	617	Ri1	298.9	33.2059	33.2053		