

2008-27 pH

Duplicate analysis for samples drawn from a single Niskin bottle:

Event Number	Sample Number	Station	Pressure dbar	pH 1	pH 2	pH 3	Difference	Absolute Difference	Standard deviation	Comments
11	30	P4	799.1	7.3077	7.3042		0.0034	0.0034		
38	195	P12	1999.8	7.4112	7.4097		0.0016	0.0016		
38	204	P12	197.2	7.5804	7.5922		-0.0118			Unstable analyses
38	209	P12	74.7	7.7603	7.7634		0.0032	0.0032		
53	309	P16	3499.7	7.5215	7.5278		0.0063	0.0063		
53	322	P16	201.3	7.4423	7.4399		-0.0024	0.0024		
53	327	P16	75.1	7.7312	7.7331		0.0020	0.0020		
63	363	P20	3500.8	7.5157	7.5256		-0.0099			Unstable analyses
63	376	P20	199.7	7.5328	7.5423		-0.0095	0.0095		
63	381	P20	76.9	7.7504	7.7511		0.0007	0.0007		
72	429	P26	3500.2	7.5413	7.5313		0.0100			Unstable background
72	441	P26	199.2	7.3884	7.3891		-0.0007	0.0007		
91	558	P25	1998.4	7.3888	7.3965		-0.0077	0.0077		
91	559	P25	1999.9	7.3914	7.3921		-0.0007	0.0007		
91	560	P25	1999.8	7.3924	7.3915		0.0009	0.0009		
91	561	P25	1998.7	7.3891	7.3899		-0.0008	0.0008		
91	562	P25	1998.3	7.3905	7.3951		-0.0046	0.0046		
average variability:							-0.0012	0.0032		
standard deviation of variability:							0.0059	0.0029		

Duplicate Niskins at the same pressure

Event Number	Sample Number	Station	Nominal Pressure dbar	pH 1	pH 2	pH 3	pH 4	pH 5	Difference	Absolute Difference	Standard deviation	Comments
91	558 - 562	P25	2000	7.3926	7.3917	7.3920	7.3895	7.3928			0.00133	

Precision estimate: 0.0032