Disregarding the above series, a total of 134 experiments were made upon sea-water, which may be thus divided:—

56	upon surface-water,
18	„ intermediate water,
60	„ bottom-water,
134	

during the first and third cruises.

The results are given in the quantity of oxygen in fractions of a gramme required to oxidize the organic matter in a litre of water.

Average of 56 analyses of surface-water:—

No.		
28.	Decomposed . . .	0·00025
28.	Decomposable . .	0·00070

Total 0·00095.

	Maximum.	Minimum.	
Decomposed . . .	0·00094	0·00000	4 cases.
Decomposable . .	0·00100	0·00000	1 case.
Total . . .	0·00194	0·00000	1 case.

Average of 18 analyses of intermediate water:—

No.		
9.	Decomposed . . .	0·00005
9.	Decomposable. . .	0·00034

Total 0·00039.

In 7 out of 9 there was no "decomposed" organic matter; and in 3 out of 9 there was no organic matter at all, as indicated by this test.

In this series the analyses of the observations made during the second cruise are not included, as the calculations have been differently made.

Average of 60 analyses of bottom-water:—

No.		
26.	Decomposed . . .	0·00047
34.	Decomposable. . .	0·00041

Total 0·00088

	Maximum.	Minimum.	
Decomposed . .	0·00105	0·00000	2 cases.
Decomposable . .	0·00148	0·00000	1 case.
Total . .	0·00253	0·00000	1 case.