



The National Marine Biological
Analytical Quality Control Scheme
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Own Sample Module Summary Report

OS50, 51 & 52

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MODULE / EXERCISE DETAILS

Module:	Own Sample (OS)
Exercises:	OS50, OS51 & OS52
Targeted CSEMP Samples:	2011/2012
Data/Sample Request Circulated:	10/09/2012
Sample Submission Deadline:	14/12/2012
Number of Subscribing Laboratories:	36
Number of Own Samples Received:	36 x 3 = 108

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Table 1. Results from the analysis of Own Samples (OS50 to OS52) supplied by the participating laboratories and re-analysis by Unicomarine Ltd.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
LabCode	PL	Number of Taxa			PL	Number of Individuals			NewTaxa	Not extracted		Count Error	Similarity index	Taxonomic Errors	Note
		TUM	Diff (n)	%max	TUM	Diff (n)	%max		Ind	%ind					
LB1901 OS50	53	52	1	1.9	383	383	0	0.0	0	0	0.0	0	98.43	1	no biomass
LB1901 OS51	24	24	0	0.0	72	72	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1901 OS52	42	44	-2	4.5	115	115	0	0.0	0	0	0.0	0	97.39	1	no biomass
LB1902 OS50	85	87	-2	2.3	1363	1353	10	0.7	1	1	0.1	11	98.53	2	no biomass
LB1902 OS51	104	106	-2	1.9	1362	1368	-6	0.4	2	6	0.4	0	99.05	1	no biomass
LB1902 OS52	103	104	-1	1.0	1364	1355	9	0.7	0	4	0.3	13	98.57	3	no biomass
LB1903 OS50	51	51	0	0.0	296	299	-3	1.0	1	11	3.7	8	96.13	0	-
LB1903 OS51	18	18	0	0.0	538	510	28	5.2	0	2	0.4	30	96.76	0	-
LB1903 OS52	59	59	0	0.0	199	205	-6	2.9	1	14	6.8	8	95.05	1	-
LB1904 OS50	12	12	0	0.0	29	29	0	0.0	0	0	0.0	0	100.00	0	-
LB1904 OS51	11	11	0	0.0	30	30	0	0.0	0	0	0.0	0	100.00	0	-
LB1904 OS52	51	54	-3	5.6	461	483	-22	4.6	2	8	1.7	-14	94.92	1	-
LB1905 OS50	100	101	-1	1.0	681	676	5	0.7	0	0	0.0	5	98.75	1	no biomass
LB1905 OS51	31	31	0	0.0	10610	10533	77	0.7	0	4	0.0	81	99.63	0	no biomass
LB1905 OS52	3	3	0	0.0	30	29	1	3.3	0	0	0.0	1	98.30	0	-
LB1906 OS50	45	46	-1	2.2	90	93	-3	3.2	1	2	2.2	-1	98.36	0	external audit
LB1906 OS51	4	4	0	0.0	3	3	0	0.0	0	0	0.0	0	100.00	0	external audit
LB1906 OS52	3	3	0	0.0	1	1	0	0.0	0	0	0.0	0	100.00	0	external audit
LB1907 OS50	16	16	0	0.0	84	82	2	2.4	0	0	0.0	2	98.80	0	no biomass
LB1907 OS51	20	21	-1	4.8	65	66	-1	1.5	0	0	0.0	-1	99.24	0	no biomass
LB1907 OS52	37	37	0	0.0	164	166	-2	1.2	0	2	1.2	0	99.40	0	no biomass
LB1908 OS50	38	38	0	0.0	195	195	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1908 OS51	22	23	-1	4.3	100	100	0	0.0	1	1	1.0	1	99.00	0	no biomass
LB1908 OS52	21	21	0	0.0	92	92	0	0.0	0	0	0.0	0	95.65	0	no biomass
LB1909 OS50	37	40	-3	7.5	103	103	0	0.0	1	2	1.9	2	94.17	3	-
LB1909 OS51	48	48	0	0.0	185	185	0	0.0	0	0	0.0	0	92.43	6	-
LB1909 OS52	64	67	-3	4.5	325	322	3	0.9	2	9	2.8	12	95.52	4	-
LB1910 OS50	11	11	0	0.0	191	189	2	1.0	0	0	0.0	2	98.42	0	no biomass
LB1910 OS51	27	27	0	0.0	294	294	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1910 OS52	21	21	0	0.0	41	41	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1911 OS50	19	19	0	0.0	40	40	0	0.0	0	0	0.0	0	100.00	0	-
LB1911 OS51	24	24	0	0.0	73	89	-16	18.0	0	23	25.8	7	81.48	0	Remedial Action completed 4/4/14
LB1911 OS52	8	9	-1	11.1	25	25	0	0.0	0	0	0.0	0	72.00	2	Remedial Action completed 4/4/14
LB1912 OS50	17	18	-1	5.6	300	296	4	1.3	1	1	0.3	5	97.65	0	no biomass
LB1912 OS51	15	16	-1	6.3	41	48	-7	14.6	0	6	12.5	-1	92.13	0	no biomass
LB1912 OS52	18	17	1	5.6	515	511	4	0.8	0	0	0.0	4	99.61	1	no biomass
LB1913 OS50	11	11	0	0.0	39	40	-1	2.5	0	2	5.0	1	93.67	1	no biomass
LB1913 OS51	21	22	-1	4.5	69	72	-3	4.2	1	1	1.4	-2	97.87	1	no biomass
LB1913 OS52	17	17	0	0.0	64	64	0	0.0	0	0	0.0	0	96.88	1	no biomass
LB1914 OS50	5	5	0	0.0	406	404	2	0.5	0	0	0.0	2	99.75	0	no biomass
LB1914 OS51	5	5	0	0.0	21	21	0	0.0	0	0	0.0	0	90.48	1	no biomass
LB1914 OS52	14	14	0	0.0	44	44	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1915 OS50	11	11	0	0.0	30	30	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1915 OS51	3	4	-1	25.0	240	243	-3	1.2	1	3	1.2	0	99.38	0	no biomass
LB1915 OS52	18	18	0	0.0	31	32	-1	3.1	0	1	3.1	0	92.06	1	no biomass
LB1916 OS50	27	28	-1	3.6	43	43	0	0.0	0	0	0.0	0	98.82	1	no biomass
LB1916 OS51	34	34	0	0.0	137	136	1	0.7	0	0	0.0	1	99.63	0	no biomass
LB1916 OS52	19	19	0	0.0	80	80	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1917 OS50	41	42	-1	2.4	196	205	-9	4.4	1	8	3.9	-1	95.76	2	-
LB1917 OS51	26	25	1	3.8	99	101	-2	2.0	0	0	0.0	-2	87.00	5	Remedial action completed 1/5/14
LB1917 OS52	6	6	0	0.0	22	22	0	0.0	0	0	0.0	0	100.00	0	-
LB1918 OS50	15	18	-3	16.7	150	155	-5	3.2	3	4	2.6	-1	95.74	0	no biomass
LB1918 OS51	16	17	-1	5.9	158	154	4	2.5	1	2	1.3	6	97.43	0	no biomass
LB1918 OS52	19	19	0	0.0	107	117	-10	8.5	1	10	8.5	0	88.39	2	no biomass; remedial action incomplete
LB1919 OS50	8	8	0	0.0	106	106	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1919 OS51	20	20	0	0.0	99	102	-3	2.9	1	2	2.0	-1	96.52	1	no biomass
LB1919 OS52	14	14	0	0.0	275	276	-1	0.4	0	3	1.1	2	99.46	0	no biomass
LB1923 OS50	33	34	-1	2.9	103	99	4	3.9	0	0	0.0	4	96.04	1	no biomass
LB1923 OS51	9	9	0	0.0	13	12	1	7.7	0	0	0.0	1	96.00	0	no biomass
LB1923 OS52	26	26	0	0.0	106	106	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1924 OS50	14	15	-1	6.7	40	40	0	0.0	0	0	0.0	0	97.50	0	-
LB1924 OS51	10	10	0	0.0	32	32	0	0.0	0	0	0.0	0	96.87	1	-
LB1924 OS52	16	17	-1	5.9	60	62	-2	3.2	0	2	3.2	0	93.44	1	-
LB1925 OS50	19	19	0	0.0	45	45	0	0.0	0	0	0.0	0	97.78	1	no biomass
LB1925 OS51	25	25	0	0.0	34	33	1	2.9	0	0	0.0	1	98.51	0	no biomass
LB1925 OS52	46	46	0	0.0	96	96	0	0.0	1	1	1.0	1	98.96	0	no biomass
LB1926 OS50	16	16	0	0.0	254	252	2	0.8	0	0	0.0	2	99.60	0	-
LB1926 OS51	11	12	-1	8.3	322	297	25	7.8	0	0	0.0	25	94.99	0	-
LB1926 OS52	14	14	0	0.0	828	809	19	2.3	0	1	0.1	20	98.84	0	-

Table 1. Results from the analysis of Own Samples (OS50 to OS52) supplied by the participating laboratories and re-analysis by Unicmarine Ltd.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
LabCode	PL	Number of Taxa			PL	Number of Individuals			NewTaxa	Not extracted		Count Error	Similarity index	Taxonomic Errors	Note
		TUM	Diff (n)	%max	TUM	Diff (n)	%max		Ind	%ind					
LB1927 OS50	12	12	0	0.0	76	75	1	1.3	0	0	0.0	1	99.34	0	no biomass
LB1927 OS51	30	30	0	0.0	148	157	-9	5.7	0	0	0.0	-9	96.39	0	no biomass
LB1927 OS52	25	25	0	0.0	90	89	1	1.1	0	1	1.1	2	97.21	1	no biomass
LB1928 OS50	11	11	0	0.0	71	71	0	0.0	0	0	0.0	0	98.59	1	-
LB1928 OS51	8	8	0	0.0	20	20	0	0.0	0	0	0.0	0	80.00	1	no biomass; remedial action incomplete
LB1928 OS52	26	26	0	0.0	540	539	1	0.2	0	0	0.0	1	99.72	1	no biomass
LB1929 OS50	11	11	0	0.0	153	149	4	2.6	0	0	0.0	4	98.67	0	no biomass
LB1929 OS51	13	13	0	0.0	83	82	1	1.2	0	0	0.0	1	99.39	0	no biomass
LB1929 OS52	4	4	0	0.0	8	8	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1930 OS50	19	19	0	0.0	40	41	-1	2.4	1	1	2.4	0	96.30	1	external audit; no biomass
LB1930 OS51	1	1	0	0.0	3	5	-2	40.0	0	2	40.0	0	75.00	0	external audit; no biom.; remedial action completed 13/06/14
LB1930 OS52	14	14	0	0.0	213	218	-5	2.3	0	5	2.3	0	98.83	0	external audit; no biomass
LB1931 OS50	29	29	0	0.0	141	142	-1	0.7	0	0	0.0	-1	99.65	0	external audit; no biomass
LB1931 OS51	20	20	0	0.0	288	288	0	0.0	0	0	0.0	0	100.00	0	external audit; no biomass
LB1931 OS52	17	19	-2	10.5	83	89	-6	6.7	2	6	6.7	0	96.51	0	external audit; no biomass
LB1932 OS50	26	27	-1	3.7	756	755	1	0.1	1	6	0.8	7	99.80	0	external audit; no biomass
LB1932 OS51	10	10	0	0.0	387	387	0	0.0	0	1	0.3	1	99.48	0	external audit
LB1932 OS52	19	19	0	0.0	123	156	-33	21.2	0	1	0.6	-32	88.17	0	external audit; remedial action completed 13/06/14
LB1933 OS50	46	46	0	0.0	185	182	3	1.6	0	0	0.0	3	99.18	0	external audit; no biomass
LB1933 OS51	96	96	0	0.0	1910	1957	-47	2.4	0	5	0.3	-42	97.39	0	external audit; no biomass
LB1933 OS52	63	63	0	0.0	830	838	-8	1.0	0	8	1.0	0	99.52	0	external audit; no biomass
LB1934 OS50	12	12	0	0.0	284	283	1	0.4	0	0	0.0	1	99.82	0	external audit; no biomass
LB1934 OS51	17	23	-6	26.1	364	346	18	4.9	6	18	5.2	36	91.83	0	external audit; no biomass
LB1934 OS52	3	3	0	0.0	33	32	1	3.0	0	0	0.0	1	98.46	0	no biomass
LB1935 OS50	12	12	0	0.0	1210	1105	105	8.7	0	3	0.3	108	95.29	0	no biomass
LB1935 OS51	11	11	0	0.0	1608	1462	146	9.1	0	22	1.5	168	93.81	0	no biomass
LB1935 OS52	11	11	0	0.0	1253	1241	12	1.0	0	1	0.1	13	99.28	0	no biomass
LB1950 OS50	20	20	0	0.0	74	70	4	5.4	0	1	1.4	5	94.44	1	biomass only for Polychaeta
LB1950 OS51	14	14	0	0.0	68	71	-3	4.2	0	6	8.5	3	93.53	0	biomass only for Polychaeta and Nemertea
LB1950 OS52	8	8	0	0.0	111	109	2	1.8	0	0	0.0	2	97.27	0	biomass only for Polychaeta
LB1960 OS50	46	46	0	0.0	203	202	1	0.5	0	0	0.0	1	99.75	0	no biomass
LB1960 OS51	39	40	-1	2.5	171	172	-1	0.6	0	0	0.0	-1	97.96	0	no biomass
LB1960 OS52	38	38	0	0.0	298	282	16	5.4	0	0	0.0	16	96.21	0	no biomass
LB1962 OS50	9	9	0	0.0	6	6	0	0.0	0	0	0.0	0	100.00	0	-
LB1962 OS51	49	50	-1	2.0	220	222	-2	0.9	1	1	0.5	-1	99.10	1	-
LB1962 OS52	52	52	0	0.0	210	205	5	2.4	0	0	0.0	5	98.80	0	-
LB1963 OS50	4	4	0	0.0	20	20	0	0.0	0	0	0.0	0	100.00	0	no biomass
LB1963 OS51	28	29	-1	3.4	356	354	2	0.6	0	1	0.3	3	99.15	1	no biomass
LB1963 OS52	1	1	0	0.0	2	2	0	0.0	0	0	0.0	0	100.00	0	-

Key: PL - Participating laboratory
TUM - Thomson Unicmarine Ltd.
"." - No data.

Note: Samples are sent to an external auditor if the original analysis was undertaken by TUM.

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Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS50-52).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1901	TUM count	-	276	-	-	9	-	98	-	383
OS50	PL missed	-	0	-	-	0	-	0	-	0
	%missed	-	0.0	-	-	0.0	-	0.0	-	0.0
LB1901	TUM count	-	32	-	-	2	21	5	12	72
OS51	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1901	TUM count	3	69	-	-	14	11	9	9	115
OS52	PL missed	0	0	0	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1902	TUM count	8	768	-	-	73	287	156	61	1353
OS50	PL missed	0	1	-	-	0	0	0	0	1
	%missed	0.0	0.1	-	-	0.0	0.0	0.0	0.0	0.1
LB1902	TUM count	8	595	1	-	59	388	230	87	1368
OS51	PL missed	0	2	0	-	2	0	2	0	6
	%missed	0.0	0.3	0.0	-	3.4	0.0	0.9	0.0	0.4
LB1902	TUM count	17	616	-	-	48	367	226	81	1355
OS52	PL missed	0	3	-	-	0	0	1	0	4
	%missed	0.0	0.5	-	-	0.0	0.0	0.4	0.0	0.3
LB1903	TUM count	1	17	-	-	20	116	132	13	299
OS50	PL missed	0	1	-	-	0	0	0	10	11
	%missed	0.0	5.9	-	-	0.0	0.0	0.0	76.9	3.7
LB1903	TUM count	-	97	350	-	8	-	7	48	510
OS51	PL missed	-	0	0	-	0	-	1	1	2
	%missed	-	0.0	0.0	-	0.0	-	14.3	2.1	0.4
LB1903	TUM count	-	42	2	-	44	1	100	16	205
OS52	PL missed	-	3	0	-	3	0	2	6	14
	%missed	-	7.1	0.0	-	6.8	0.0	2.0	37.5	6.8
LB1904	TUM count	1	22	-	-	2	-	4	-	29
OS50	PL missed	0	0	-	-	0	-	0	-	0
	%missed	0.0	0.0	-	-	0.0	-	0.0	-	0.0
LB1904	TUM count	3	12	-	-	3	-	12	-	30
OS51	PL missed	0	0	-	-	0	-	0	-	0
	%missed	0.0	0.0	-	-	0.0	-	0.0	-	0.0
LB1904	TUM count	12	78	-	-	34	2	55	302	483
OS52	PL missed	2	2	-	-	1	0	1	2	8
	%missed	16.7	2.6	-	-	2.9	0.0	1.8	0.7	1.7
LB1905	TUM count	9	293	1	1	71	194	80	27	676
OS50	PL missed	0	0	0	0	0	0	0	0	0
	%missed	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LB1905	TUM count	3	4888	9	1	54	-	5545	33	10533
OS51	PL missed	0	2	0	0	1	-	1	0	4
	%missed	0.0	0.0	0.0	0.0	1.9	-	0.0	0.0	0.0
LB1905	TUM count	-	-	20	-	-	-	-	9	29
OS52	PL missed	-	-	0	-	-	-	-	0	0
	%missed	-	-	0.0	-	-	-	-	0.0	0.0
LB1906	AE count	-	64	-	2	10	11	3	3	93
OS50	TUM missed	-	1	-	0	0	0	1	0	2
	%missed	-	1.6	-	0.0	0.0	0.0	33.3	0.0	2.2
LB1906	AE count	-	3	-	-	-	-	-	-	3
OS51	TUM missed	-	0	-	-	-	-	-	-	0
	%missed	-	0.0	-	-	-	-	-	-	0.0
LB1906	AE count	-	-	-	-	1	-	-	-	1
OS52	TUM missed	-	-	-	-	0	-	-	-	0
	%missed	-	-	-	-	0.0	-	-	-	0.0

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS50-52).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1907	TUM count	-	19	-	-	52	1	10	-	82
OS50	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1907	TUM count	1	14	-	-	35	9	6	1	66
OS51	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1907	TUM count	1	39	-	-	45	-	81	-	166
OS52	PL missed	0	0	-	-	0	-	2	-	2
	%missed	0.0	0.0	-	-	0.0	-	2.5	-	1.2
LB1908	TUM count	1	158	-	-	12	8	14	2	195
OS50	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1908	TUM count	-	80	-	-	5	10	5	-	100
OS51	PL missed	-	1	-	-	0	0	0	-	1
	%missed	-	1.3	-	-	0.0	0.0	0.0	-	1.0
LB1908	TUM count	1	78	-	-	7	3	1	2	92
OS52	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1909	TUM count	1	52	-	-	4	23	21	2	103
OS50	PL missed	0	0	-	-	0	0	0	2	2
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	100.0	1.9
LB1909	TUM count	5	83	-	-	1	62	30	4	185
OS51	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1909	TUM count	7	223	-	-	15	43	25	9	322
OS52	PL missed	0	8	-	-	0	0	1	0	9
	%missed	0.0	3.6	-	-	0.0	0.0	4.0	0.0	2.8
LB1910	TUM count	-	10	-	-	-	94	16	69	189
OS50	PL missed	-	0	-	-	-	0	0	0	0
	%missed	-	0.0	-	-	-	0.0	0.0	0.0	0.0
LB1910	TUM count	-	31	-	-	2	165	24	72	294
OS51	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1910	TUM count	-	14	-	-	6	3	18	-	41
OS52	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1911	TUM count	-	19	1	-	2	-	17	1	40
OS50	PL missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1911	TUM count	-	35	4	-	-	3	46	1	89
OS51	PL missed	-	0	0	-	-	0	23	0	23
	%missed	-	0.0	0.0	-	-	0.0	50.0	0.0	25.8
LB1911	TUM count	1	10	-	-	5	-	6	3	25
OS52	PL missed	0	0	-	-	0	-	0	0	0
	%missed	0.0	0.0	-	-	0.0	-	0.0	0.0	0.0
LB1912	TUM count	-	97	11	-	1	-	162	25	296
OS50	PL missed	-	0	0	-	0	-	1	0	1
	%missed	-	0.0	0.0	-	0.0	-	0.6	0.0	0.3
LB1912	TUM count	-	14	1	-	1	-	29	3	48
OS51	PL missed	-	0	0	-	0	-	6	0	6
	%missed	-	0.0	0.0	-	0.0	-	20.7	0.0	12.5
LB1912	TUM count	-	72	11	-	3	-	2	423	511
OS52	PL missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS50-52).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1913	TUM count	-	4	-	-	5	3	28	-	40
OS50	PL missed	-	0	-	-	0	0	2	-	2
	%missed	-	0.0	-	-	0.0	0.0	7.1	-	5.0
LB1913	TUM count	-	20	-	-	5	6	40	1	72
OS51	PL missed	-	0	-	-	0	0	0	1	1
	%missed	-	0.0	-	-	0.0	0.0	0.0	100.0	1.4
LB1913	TUM count	-	31	-	-	18	-	15	-	64
OS52	PL missed	-	0	-	-	0	-	0	-	0
	%missed	-	0.0	-	-	0.0	-	0.0	-	0.0
LB1914	TUM count	-	373	3	-	-	-	-	28	404
OS50	PL missed	-	0	0	-	-	-	-	0	0
	%missed	-	0.0	0.0	-	-	-	-	0.0	0.0
LB1914	TUM count	-	19	-	-	-	-	1	1	21
OS51	PL missed	-	0	-	-	-	-	0	0	0
	%missed	-	0.0	-	-	-	-	0.0	0.0	0.0
LB1914	TUM count	1	13	-	-	1	16	11	2	44
OS52	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1915	TUM count	-	23	-	-	-	-	6	1	30
OS50	PL missed	-	0	-	-	-	-	0	0	0
	%missed	-	0.0	-	-	-	-	0.0	0.0	0.0
LB1915	TUM count	-	5	-	-	1	-	-	237	243
OS51	PL missed	-	2	-	-	1	-	-	0	3
	%missed	-	40.0	-	-	100.0	-	-	0.0	1.2
LB1915	TUM count	-	25	-	-	4	-	1	2	32
OS52	PL missed	-	1	-	-	0	-	0	0	1
	%missed	-	4.0	-	-	0.0	-	0.0	0.0	3.1
LB1916	TUM count	-	20	-	-	4	6	12	1	43
OS50	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1916	TUM count	5	109	-	-	5	-	17	-	136
OS51	PL missed	0	0	-	-	0	-	0	-	0
	%missed	0.0	0.0	-	-	0.0	-	0.0	-	0.0
LB1916	TUM count	-	15	-	-	3	29	20	13	80
OS52	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1917	TUM count	2	40	-	-	16	77	65	5	205
OS50	PL missed	0	0	-	-	0	0	8	0	8
	%missed	0.0	0.0	-	-	0.0	0.0	12.3	0.0	3.9
LB1917	TUM count	-	48	-	-	3	31	18	1	101
OS51	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1917	TUM count	-	1	-	-	2	4	15	-	22
OS52	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1918	TUM count	-	42	-	-	14	1	98	-	155
OS50	PL missed	-	1	-	-	2	0	1	-	4
	%missed	-	2.4	-	-	14.3	0.0	1.0	-	2.6
LB1918	TUM count	-	95	-	-	31	1	27	-	154
OS51	PL missed	-	0	-	-	0	0	2	-	2
	%missed	-	0.0	-	-	0.0	0.0	7.4	-	1.3
LB1918	TUM count	5	78	-	-	6	-	27	1	117
OS52	PL missed	0	1	-	-	5	-	4	0	10
	%missed	0.0	1.3	-	-	83.3	-	14.8	0.0	8.5

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS50-52).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1919	TUM count	-	9	-	-	-	-	97	-	106
OS50	PL missed	-	0	-	-	-	-	0	-	0
	%missed	-	0.0	-	-	-	-	0.0	-	0.0
LB1919	TUM count	-	55	-	-	1	-	46	-	102
OS51	PL missed	-	0	-	-	0	-	2	-	2
	%missed	-	0.0	-	-	0.0	-	4.3	-	2.0
LB1919	TUM count	-	273	-	-	-	-	2	1	276
OS52	PL missed	-	3	-	-	-	-	0	0	3
	%missed	-	1.1	-	-	-	-	0.0	0.0	1.1
LB1923	TUM count	1	58	-	-	2	26	11	1	99
OS50	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1923	TUM count	-	8	-	-	1	1	1	1	12
OS51	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1923	TUM count	4	50	-	-	1	-	43	8	106
OS52	PL missed	0	0	-	-	0	-	0	0	0
	%missed	0.0	0.0	-	-	0.0	-	0.0	0.0	0.0
LB1924	TUM count	-	22	7	-	-	3	8	-	40
OS50	PL missed	-	0	0	-	-	0	0	-	0
	%missed	-	0.0	0.0	-	-	0.0	0.0	-	0.0
LB1924	TUM count	-	18	-	-	14	-	-	-	32
OS51	PL missed	-	0	-	-	0	-	-	-	0
	%missed	-	0.0	-	-	0.0	-	-	-	0.0
LB1924	TUM count	-	34	13	-	3	1	11	-	62
OS52	PL missed	-	0	1	-	0	0	1	-	2
	%missed	-	0.0	7.7	-	0.0	0.0	9.1	-	3.2
LB1925	TUM count	-	19	-	-	2	4	19	1	45
OS50	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1925	TUM count	1	19	-	-	3	3	7	-	33
OS51	PL missed	0	0	-	-	0	0	0	-	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1925	TUM count	3	42	-	-	10	4	36	1	96
OS52	PL missed	0	0	-	-	1	0	0	0	1
	%missed	0.0	0.0	-	-	10.0	0.0	0.0	0.0	1.0
LB1926	TUM count	-	6	130	-	5	-	18	93	252
OS50	PL missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1926	TUM count	-	21	246	-	11	-	6	13	297
OS51	PL missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1926	TUM count	-	19	778	-	3	-	2	7	809
OS52	PL missed	-	0	1	-	0	-	0	0	1
	%missed	-	0.0	0.1	-	0.0	-	0.0	0.0	0.1
LB1927	TUM count	-	46	15	-	7	-	1	6	75
OS50	PL missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1927	TUM count	1	29	-	-	3	15	97	12	157
OS51	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1927	TUM count	-	55	-	-	6	-	26	2	89
OS52	PL missed	-	0	-	-	0	-	1	0	1
	%missed	-	0.0	-	-	0.0	-	3.8	0.0	1.1

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS50-52).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1928	TUM count	-	24	-	-	1	46	-	-	71
OS50	PL missed	-	0	-	-	0	0	-	-	0
	%missed	-	0.0	-	-	0.0	0.0	-	-	0.0
LB1928	TUM count	-	8	-	-	11	-	1	-	20
OS51	PL missed	-	0	-	-	0	-	0	-	0
	%missed	-	0.0	-	-	0.0	-	0.0	-	0.0
LB1928	TUM count	-	397	67	-	4	-	57	14	539
OS52	PL missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1929	TUM count	-	6	70	-	3	-	4	66	149
OS50	PL missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1929	TUM count	-	52	20	-	-	-	1	9	82
OS51	PL missed	-	0	0	-	-	-	0	0	0
	%missed	-	0.0	0.0	-	-	-	0.0	0.0	0.0
LB1929	TUM count	-	7	1	-	-	-	-	-	8
OS52	PL missed	-	0	0	-	-	-	-	-	0
	%missed	-	0.0	0.0	-	-	-	-	-	0.0
LB1930	AE count	-	16	11	-	7	-	4	3	41
OS50	TUM missed	-	0	0	-	0	-	0	1	1
	%missed	-	0.0	0.0	-	0.0	-	0.0	33.3	2.4
LB1930	AE count	-	-	5	-	-	-	-	-	5
OS51	TUM missed	-	-	2	-	-	-	-	-	2
	%missed	-	-	40.0	-	-	-	-	-	40.0
LB1930	AE count	-	162	50	-	3	-	3	-	218
OS52	TUM missed	-	3	2	-	0	-	0	-	5
	%missed	-	1.9	4.0	-	0.0	-	0.0	-	2.3
LB1931	AE count	1	47	2	-	46	-	46	-	142
OS50	TUM missed	0	0	0	-	0	-	0	-	0
	%missed	0.0	0.0	0.0	-	0.0	-	0.0	-	0.0
LB1931	AE count	1	12	4	-	218	-	48	5	288
OS51	TUM missed	0	0	0	-	0	-	0	0	0
	%missed	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1931	AE count	-	22	2	-	23	-	42	-	89
OS52	TUM missed	-	1	0	-	4	-	1	-	6
	%missed	-	4.5	0.0	-	17.4	-	2.4	-	6.7
LB1932	AE count	-	67	1	11	-	14	662	-	755
OS50	TUM missed	-	0	1	0	-	0	5	-	6
	%missed	-	0.0	100.0	0.0	-	0.0	0.8	-	0.8
LB1932	AE count	-	206	14	-	165	-	-	2	387
OS51	TUM missed	-	0	0	-	1	-	-	0	1
	%missed	-	0.0	0.0	-	0.6	-	-	0.0	0.3
LB1932	AE count	-	33	25	-	56	-	34	8	156
OS52	TUM missed	-	0	1	-	0	-	0	0	1
	%missed	-	0.0	4.0	-	0.0	-	0.0	0.0	0.6
LB1933	AE count	-	97	23	-	36	-	20	6	182
OS50	TUM missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1933	AE count	5	1116	477	21	191	3	48	96	1957
OS51	TUM missed	0	1	1	0	0	0	3	0	5
	%missed	0.0	0.1	0.2	0.0	0.0	0.0	6.3	0.0	0.3
LB1933	AE count	-	272	442	3	32	2	61	26	838
OS52	TUM missed	-	4	4	0	0	0	0	0	8
	%missed	-	1.5	0.9	0.0	0.0	0.0	0.0	0.0	1.0

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS50-52).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1934	AE count	-	76	16	-	20	-	-	171	283
OS50	TUM missed	-	0	0	-	0	-	-	0	0
	%missed	-	0.0	0.0	-	0.0	-	-	0.0	0.0
LB1934	AE count	-	186	17	-	-	-	-	143	346
OS51	TUM missed	-	14	1	-	-	-	-	3	18
	%missed	-	7.5	5.9	-	-	-	-	2.1	5.2
LB1934	TUM count	-	1	29	-	2	-	-	-	32
OS52	PL missed	-	0	0	-	0	-	-	-	0
	%missed	-	0.0	0.0	-	0.0	-	-	-	0.0
LB1935	TUM count	-	130	185	-	-	-	755	35	1105
OS50	PL missed	-	1	0	-	-	-	0	2	3
	%missed	-	0.8	0.0	-	-	-	0.0	5.7	0.3
LB1935	TUM count	-	330	244	-	-	-	883	5	1462
OS51	PL missed	-	7	0	-	-	-	13	2	22
	%missed	-	2.1	0.0	-	-	-	1.5	40.0	1.5
LB1935	TUM count	-	482	301	-	-	-	406	52	1241
OS52	PL missed	-	0	0	-	-	-	0	1	1
	%missed	-	0.0	0.0	-	-	-	0.0	1.9	0.1
LB1950	TUM count	-	45	-	-	14	-	11	-	70
OS50	PL missed	-	1	-	-	0	-	0	-	1
	%missed	-	2.2	-	-	0.0	-	0.0	-	1.4
LB1950	TUM count	1	10	-	-	44	2	14	-	71
OS51	PL missed	0	0	-	-	5	0	1	-	6
	%missed	0.0	0.0	-	-	11.4	0.0	7.1	-	8.5
LB1950	TUM count	-	85	-	-	24	-	-	-	109
OS52	PL missed	-	0	-	-	0	-	-	-	0
	%missed	-	0.0	-	-	0.0	-	-	-	0.0
LB1960	TUM count	9	124	-	-	7	24	26	12	202
OS50	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1960	TUM count	4	100	-	-	4	40	22	2	172
OS51	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1960	TUM count	6	188	-	-	6	58	20	4	282
OS52	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1962	TUM count	-	4	1	-	1	-	-	-	6
OS50	PL missed	-	0	0	-	0	-	-	-	0
	%missed	-	0.0	0.0	-	0.0	-	-	-	0.0
LB1962	TUM count	3	135	-	-	5	3	63	13	222
OS51	PL missed	0	0	-	-	0	0	0	1	1
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	7.7	0.5
LB1962	TUM count	17	52	-	-	74	2	56	4	205
OS52	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1963	TUM count	-	15	-	-	5	-	-	-	20
OS50	PL missed	-	0	-	-	0	-	-	-	0
	%missed	-	0.0	-	-	0.0	-	-	-	0.0
LB1963	TUM count	5	43	-	-	4	12	289	1	354
OS51	PL missed	0	0	-	-	0	0	1	0	1
	%missed	0.0	0.0	-	-	0.0	0.0	0.3	0.0	0.3
LB1963	TUM count	-	-	-	-	2	-	-	-	2
OS52	PL missed	-	-	-	-	0	-	-	-	0
	%missed	-	-	-	-	0.0	-	-	-	0.0

Key: PL - participating laboratory
TUM - Thomson Unicoramarine Ltd.
AE- Aquatic Environments (External Auditor)

Table 3. Summary of misidentified taxa in the Own Sample Module OS50 - 52 (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other
LB1901	OS50	1	<i>Pholoe assimilis (P. baltica)</i>	-	-	-	-	-
LB1901	OS51	0	-	-	-	-	-	-
LB1901	OS52	1	-	-	-	<i>Sarsinebalia urgorgrii (S. typhlops)</i>	-	-
LB1902	OS50	2	-	-	-	<i>Maera loveni (Eriopisa elongata)</i> <i>Eugerdia tenuimana (Desmosomatidae)</i>	-	-
LB1902	OS51	1	-	-	-	-	-	-
LB1902	OS52	3	<i>Samytha sexcirrata (Anobothrus laubieri)</i> <i>Harmothoe glabra (Malmgrenia mcintoshii)</i>	-	<i>Falcidens crossotus (Chaetoderma nitidulum)</i>	-	-	-
LB1903	OS50	0	-	-	-	-	-	-
LB1903	OS51	0	-	-	-	-	-	-
LB1903	OS52	1	<i>Leitoscoloplos mammosus (Scoloplos armiger)</i>	-	-	-	-	-
LB1904	OS50	0	-	-	-	-	-	-
LB1904	OS51	0	-	-	-	-	-	-
LB1904	OS52	1	<i>Spio filicornis (S. decorata)</i>	-	-	-	-	-
LB1905	OS50	1	<i>Praxillella praetermissa (P. affinis)</i>	-	-	-	-	-
LB1905	OS51	0	-	-	-	-	-	-
LB1905	OS52	0	-	-	-	-	-	-
LB1906	OS50	0	-	-	-	-	-	-
LB1906	OS51	0	-	-	-	-	-	-
LB1906	OS52	0	-	-	-	-	-	-
LB1907	OS50	0	-	-	-	-	-	-
LB1907	OS51	0	-	-	-	-	-	-
LB1907	OS52	0	-	-	-	-	-	-
LB1908	OS50	0	-	-	-	-	-	-
LB1908	OS51	0	-	-	-	-	-	-
LB1908	OS52	0	-	-	-	-	-	-
LB1909	OS50	3	<i>Gattyana amondseni (G. cirrhosa)</i>	-	<i>Venus casina (Astarte sulcata)</i>	<i>Tryphosites longipes (Acidostoma)</i>	-	-
LB1909	OS51	6	<i>Sthenelais sp. juv. (Poecilochaetus serpens)</i>	-	<i>Veneridae juv. (Myrtea spinifera)</i> <i>Dosinia sp. juv. (Lucinoma borealis)</i> <i>Venus casina (Chamelea striatula)</i>	-	-	<i>Edwardsia claparedii (Golfingia elongata)</i> Edwardsiidae (Synaptidae)
LB1909	OS52	4	<i>Gattyana amondseni (G. cirrhosa)</i>	-	<i>Venus casina (Clausinella fasciata)</i>	-	-	<i>Thysanocardia procera (Golfingia)</i> Edwardsiidae (Synaptidae)
LB1910	OS50	0	-	-	-	-	-	-
LB1910	OS51	0	-	-	-	-	-	-
LB1910	OS52	0	-	-	-	-	-	-
LB1911	OS50	0	-	-	-	-	-	-
LB1911	OS51	0	-	-	-	-	-	-
LB1911	OS52	2	-	-	-	<i>Processa modica (Crangon crangon)</i>	-	<i>Phoronis sp. (Edwardsia)</i>
LB1912	OS50	0	-	-	-	-	-	-
LB1912	OS51	0	-	-	-	-	-	-
LB1912	OS52	1	-	-	-	-	-	<i>Conopeum reticulum (Aspidelectra melolontha)</i>
LB1913	OS50	1	-	-	-	<i>Bathyporeia guilliamsomiana (B. elegans)</i>	-	-
LB1913	OS51	1	-	-	-	<i>Tanaopsis graciloides (Tanaidae unident.)</i>	-	-
LB1913	OS52	1	<i>Lumbrineris cf. cingulata (Lumbrineridae)</i>	-	-	-	-	-
LB1914	OS50	0	-	-	-	-	-	-
LB1914	OS51	1	<i>Malacoceros fuliginosus (Malacoceros sp.)</i>	-	-	-	-	-
LB1914	OS52	0	-	-	-	-	-	-
LB1915	OS50	0	-	-	-	-	-	-
LB1915	OS51	0	-	-	-	-	-	-
LB1915	OS52	1	<i>Dipolydora coeca (Polydora sp.)</i>	-	-	-	-	-
LB1916	OS50	1	<i>Pseudonotomastus southerni (Notomastus sp.)</i>	-	-	-	-	-
LB1916	OS51	0	-	-	-	-	-	-
LB1916	OS52	0	-	-	-	-	-	-
LB1917	OS50	2	<i>Pholoe assimilis (P. baltica)</i>	-	<i>Gari fervensis juv. (Myrtea spinifera)</i>	-	-	-
LB1917	OS51	5	<i>Pholoe assimilis (P. baltica)</i> <i>Goniada maculata (Glycera)</i> <i>Euclymene sp. A (Mediomastus fragilis)</i>	-	<i>Nucula nucleus (N. nitidosa)</i> <i>Abra nitida (A. alba)</i>	-	-	-
LB1917	OS52	0	-	-	-	-	-	-
LB1918	OS50	0	-	-	-	-	-	-
LB1918	OS51	0	-	-	-	-	-	-
LB1918	OS52	2	<i>Hediste diversicolor (Eumereis elitoralis)</i> <i>Mediomastus (Capitella capitata)</i>	-	-	-	-	-

Table 3. Summary of misidentified taxa in the Own Sample Module OS50 - 52 (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other
LB1919	OS50	0	-	-	-	-	-	-
LB1919	OS51	1	-	-	<i>Abra alba (A. nitida)</i>	-	-	-
LB1919	OS52	0	-	-	-	-	-	-
LB1923	OS50	1	-	-	<i>Nucula sulcata (N. nitidosa)</i>	-	-	-
LB1923	OS51	0	-	-	-	-	-	-
LB1923	OS52	0	-	-	-	-	-	-
LB1924	OS50	0	-	-	-	-	-	-
LB1924	OS51	1	-	-	-	<i>Diastylis rugosa (D. bradyi)</i>	-	-
LB1924	OS52	1	<i>Tharyx killariensis (T. marioni)</i>	-	-	-	-	-
LB1925	OS50	1	<i>Dasybranchus sp. (Notomastus sp.)</i>	-	-	-	-	-
LB1925	OS51	0	-	-	-	-	-	-
LB1925	OS52	0	-	-	-	-	-	-
LB1926	OS50	0	-	-	-	-	-	-
LB1926	OS51	0	-	-	-	-	-	-
LB1926	OS52	0	-	-	-	-	-	-
LB1927	OS50	0	-	-	-	-	-	-
LB1927	OS51	0	-	-	-	-	-	-
LB1927	OS52	1	-	-	-	<i>Diastylis rugosa (D. bradyi)</i>	-	-
LB1928	OS50	1	<i>Fimbriosthenelais minor (S. limicola)</i>	-	-	-	-	-
LB1928	OS51	1	-	-	-	<i>Pontocrates arcicus (P. arenarius)</i>	-	-
LB1928	OS52	1	<i>Nephtys cirrosa (N. kersivalensis)</i>	-	-	-	-	-
LB1929	OS50	0	-	-	-	-	-	-
LB1929	OS51	0	-	-	-	-	-	-
LB1929	OS52	0	-	-	-	-	-	-
LB1930	OS50	1	<i>Chaetozone zetlandica (C. gibber)</i>	-	-	-	-	-
LB1930	OS51	0	-	-	-	-	-	-
LB1930	OS52	0	-	-	-	-	-	-
LB1931	OS50	0	-	-	-	-	-	-
LB1931	OS51	0	-	-	-	-	-	-
LB1931	OS52	0	-	-	-	-	-	-
LB1932	OS50	0	-	-	-	-	-	-
LB1932	OS51	0	-	-	-	-	-	-
LB1932	OS52	0	-	-	-	-	-	-
LB1933	OS50	0	-	-	-	-	-	-
LB1933	OS51	0	-	-	-	-	-	-
LB1933	OS52	0	-	-	-	-	-	-
LB1934	OS50	0	-	-	-	-	-	-
LB1934	OS51	0	-	-	-	-	-	-
LB1934	OS52	0	-	-	-	-	-	-
LB1935	OS50	0	-	-	-	-	-	-
LB1935	OS51	0	-	-	-	-	-	-
LB1935	OS52	0	-	-	-	-	-	-
LB1950	OS50	1	<i>Nephtys hombergii (N. caeca)</i>	-	-	-	-	-
LB1950	OS51	0	-	-	-	-	-	-
LB1950	OS52	0	-	-	-	-	-	-
LB1960	OS50	0	-	-	-	-	-	-
LB1960	OS51	0	-	-	-	-	-	-
LB1960	OS52	0	-	-	-	-	-	-
LB1962	OS50	0	-	-	-	-	-	-
LB1962	OS51	1	<i>Pholoe assimilis (P. baltica)</i>	-	-	-	-	-
LB1962	OS52	0	-	-	-	-	-	-
LB1963	OS50	0	-	-	-	-	-	-
LB1963	OS51	1	<i>Nephtys assimilis (N. hombergii)</i>	-	-	-	-	-
LB1963	OS52	0	-	-	-	-	-	-
Total	55		27	0	11	10	0	6
% error	-		49	0	20	18	0	11

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Thomson Unicomarine Ltd. for the major taxonomic groups present in samples OS50-OS52.

LabCode		Sample OS50							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1901	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1902	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1903	PL	0.0078	0.0481	-	-	0.0075	10.2985	0.2087	0.0027	10.5733
	TUM	0.0091	0.0733	-	-	0.0265	10.2662	0.2405	0.0032	10.6188
	%diff.	-16.7	-52.4	-	-	-253.3	0.3	-15.2	-18.5	-0.4
LB1904	PL	0.0004	0.5952	-	-	0.0057	-	0.0867	-	0.68800
	TUM	0.0006	0.7100	-	-	0.0059	-	0.0796	-	0.7961
	%diff.	-50.0	-19.3	-	-	-3.5	-	8.2	-	-15.7
LB1905	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1906	TUM	-	0.8825	-	0.0021	0.0760	0.3929	0.0234	0.0008	1.3777
	AE	-	0.8691	-	0.0022	0.0765	0.4013	0.0238	0.0007	1.3736
	%diff.	-	1.5	-	-4.8	-0.7	-2.1	-1.7	12.5	0.3
LB1907	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1908	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1909	PL	0.0013	0.2676	-	-	0.0092	4.0120	0.7382	0.0003	5.0286
	TUM	0.0016	0.2929	-	-	0.0101	3.7390	0.7407	0.0003	4.7846
	%diff.	-23.1	-9.5	-	-	-9.8	6.8	-0.3	0.0	4.9
LB1910	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1911	PL	-	0.0177	0.0001	-	0.0007	-	0.0040	0.0039	0.0264
	TUM	-	0.0130	0.0001	-	0.0004	-	0.0056	0.0023	0.0214
	%diff.	-	26.6	0.0	-	42.9	-	-40.0	41.0	18.9
LB1912	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1913	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1914	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1915	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1916	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1917	PL	0.0002	0.1521	-	-	0.0418	0.5091	1.1635	0.0004	1.8671
	TUM	0.0005	0.1469	-	-	0.0384	0.4096	1.1845	0.0005	1.7804
	%diff.	-150.0	3.4	-	-	8.1	19.5	-1.8	-25.0	4.6
LB1918	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Thomson Unicomarine Ltd. for the major taxonomic groups present in samples OS50-OS52.

LabCode		Sample OS50							Overall
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	
LB1919	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1923	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1924	PL	-	0.4054	0.0008	-	-	-	0.0062	0.4124
	TUM	-	0.3313	0.0004	-	-	0.0001	0.0051	0.3369
	%diff.	-	18.3	50.0	-	-	-	17.7	18.3
LB1925	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1926	PL	-	0.2106	0.0393	-	0.0024	-	0.0024	0.3138
	TUM	-	0.3003	0.0583	-	0.0027	-	0.0026	0.4414
	%diff.	-	-42.6	-48.3	-	-12.5	-	-8.3	-40.7
LB1927	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1928	PL	-	0.3288	-	-	0.0004	-	0.0127	0.3419
	TUM	-	0.3885	-	-	0.0015	-	0.0228	0.4128
	%diff.	-	-18.2	-	-	-275.0	-	-79.5	-20.7
LB1929	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1930	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1931	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1932	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1933	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1934	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1935	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1950	PL	-	0.2016	-	-	-	-	-	0.2016
	TUM	-	0.2701	-	-	-	-	-	0.2701
	%diff.	-	-34.0	-	-	-	-	-	-34.0
LB1960	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1962	PL	0.0016	0.0041	0.0001	-	0.0001	-	-	0.0059
	TUM	0.0169	0.0078	0.0001	-	0.0002	-	-	0.0250
	%diff.	-956.3	-90.2	0.0	-	-100.0	-	-	-323.7
LB1963	PL	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-

Key: PL - participating laboratory
TUM - Thomson Unicomarine Ltd.
AE- Aquatic Environments (External Auditor)
"-" - No data.

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Thomson Unicomarine Ltd. for the major taxonomic groups present in samples OS50-OS52.

LabCode		Sample OS51							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1901	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1902	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1903	PL	-	4.8509	0.1862	-	0.0094	-	0.0049	-	5.0514
	TUM	-	4.4157	0.2253	-	0.0124	-	0.0054	-	4.6588
	%diff.	-	9.0	-21.0	-	-31.9	-	-10.2	-	7.8
LB1904	PL	0.0028	0.0948	-	-	0.0102	-	0.1714	-	0.27920
	TUM	0.0036	0.1193	-	-	0.0087	-	0.1453	-	0.2769
	%diff.	-28.6	-25.8	-	-	14.7	-	15.2	-	0.8
LB1905	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1906	TUM	-	0.0792	-	-	-	-	-	-	0.0792
	AE	-	0.0747	-	-	-	-	-	-	0.0747
	%diff.	-	5.7	-	-	-	-	-	-	5.7
LB1907	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1908	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1909	PL	0.1182	0.7468	-	-	0.0004	9.9266	0.3993	0.0391	11.2304
	TUM	0.1080	0.6299	-	-	0.0003	7.4192	0.3866	0.0352	8.5792
	%diff.	8.6	15.7	-	-	25.0	25.3	3.2	10.0	23.6
LB1910	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1911	PL	-	0.0405	0.0005	-	0.0010	0.0002	0.0052	0.0003	0.0477
	TUM	-	0.0186	0.0001	-	0.0006	0.0002	0.0039	0.0001	0.0235
	%diff.	-	54.1	80.0	-	40.0	0.0	25.0	66.7	50.7
LB1912	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1913	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1914	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1915	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1916	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1917	PL	-	1.8313	-	-	0.0179	0.9310	0.0492	0.0011	2.8305
	TUM	-	1.8115	-	-	0.0163	0.9601	0.0391	0.0053	2.8323
	%diff.	-	1.1	-	-	8.9	-3.1	20.5	-381.8	-0.0636
LB1918	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Thomson Unicomarine Ltd. for the major taxonomic groups present in samples OS50-OS52.

LabCode		Sample OS51							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1919	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1923	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1924	PL	-	0.3306	-	-	0.0194	-	-	-	0.3500
	TUM	-	0.3003	-	-	0.0166	-	-	-	0.3169
	%diff.	-	9.2	-	-	14.4	-	-	-	9.5
LB1925	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1926	PL	-	0.0064	0.0806	-	0.0370	-	0.4151	0.0003	0.5394
	TUM	-	0.0062	0.1238	-	0.0451	-	0.4405	0.0003	0.6159
	%diff.	-	3.1	-53.6	-	-21.9	-	-6.1	0.0	-14.2
LB1927	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1928	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1929	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1930	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1931	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1932	TUM	-	0.1022	0.0022	-	0.2722	-	-	0.0014	0.3780
	AE	-	0.0972	0.0021	-	0.2664	-	-	0.0013	0.3670
	%diff.	-	4.9	4.5	-	2.1	-	-	7.1	2.9
LB1933	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1934	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1935	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1950	PL	0.0038	0.2932	-	-	-	-	-	-	0.2970
	TUM	0.0036	0.3369	-	-	-	-	-	-	0.3405
	%diff.	5.3	-14.9	-	-	-	-	-	-	-14.6
LB1960	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1962	PL	0.0129	1.6499	-	-	0.0039	0.7260	20.4758	0.5017	23.3702
	TUM	0.0137	1.5292	-	-	0.0041	0.6400	19.4344	0.4950	22.1164
	%diff.	-6.2	7.3	-	-	-5.1	11.8	5.1	1.3	5.4
LB1963	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

Key: PL - participating laboratory
TUM - Thomson Unicomarine Ltd.
AE- Aquatic Environments (External Auditor)
"-" - No data.

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Thomson Unicomarine Ltd. for the major taxonomic groups present in samples OS50-OS52.

LabCode		Sample OS52							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1901	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1902	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1903	PL	-	0.0500	0.0001	-	0.0192	0.0001	0.0391	-	0.1085
	TUM	-	0.0648	0.0019	-	0.0235	0.0001	0.0478	-	0.1381
	%diff.	-	-29.6	-1800.0	-	-22.4	0.0	-22.3	-	-27.3
LB1904	PL	0.0112	0.5985	-	-	0.0657	0.0927	18.8382	3.1824	22.7887
	TUM	0.0119	0.6670	-	-	0.0616	0.0922	18.0227	3.5343	22.3897
	%diff.	-6.3	-11.4	-	-	6.2	0.5	4.3	-11.1	1.8
LB1905	PL	-	-	0.0030	-	-	-	-	0.0017	0.00470
	TUM	-	-	0.0049	-	-	-	-	0.0044	0.0093
	%diff.	-	-	-63.3	-	-	-	-	-158.8	-97.9
LB1906	TUM	-	0.0014	-	-	0.8994	-	-	-	0.9008
	AE	-	0.0011	-	-	0.8877	-	-	-	0.8888
	%diff.	-	21.4	-	-	1.3	-	-	-	1.3
LB1907	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1908	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1909	PL	0.0089	1.4814	-	-	0.5979	1.0876	1.3037	0.0988	4.5783
	TUM	0.0089	1.3053	-	-	0.7209	1.0795	1.1494	0.0932	4.3572
	%diff.	0.0	11.9	-	-	-20.6	0.7	11.8	5.7	4.8
LB1910	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1911	PL	0.0000	0.2877	-	-	0.1693	-	0.1014	0.0190	0.5774
	TUM	0.0001	0.2295	-	-	0.1286	-	0.0949	0.0145	0.4676
	%diff.	-	20.2	-	-	24.0	-	6.4	23.7	19.0
LB1912	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1913	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1914	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1915	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1916	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1917	PL	-	0.0125	-	-	0.2493	0.8346	0.7201	-	1.8165
	TUM	-	0.0116	-	-	0.2549	0.8251	0.7213	-	1.8129
	%diff.	-	7.2	-	-	-2.2	1.1	-0.2	-	0.2
LB1918	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Thomson Unicomarine Ltd. for the major taxonomic groups present in samples OS50-OS52.

LabCode		Sample OS52							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1919	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1923	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1924	PL	-	0.1357	0.0021	-	0.0022	0.0066	0.0381	-	0.1847
	TUM	-	0.1046	0.0014	-	0.0021	0.0060	0.0354	-	0.1495
	%diff.	-	22.9	33.3	-	4.5	9.1	7.1	-	19.1
LB1925	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1926	PL	-	0.3671	0.2874	-	0.0015	-	0.0046	0.0047	0.6653
	TUM	-	0.4363	0.4182	-	0.0018	-	0.0053	0.0063	0.8679
	%diff.	-	-18.9	-45.5	-	-20.0	-	-15.2	-34.0	-30.5
LB1927	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1928	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1929	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1930	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1931	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1932	TUM	-	0.0124	0.0032	-	0.0024	-	0.0876	0.0008	0.1064
	AE	-	0.0214	0.0025	-	0.0024	-	0.1301	0.0008	0.1572
	%diff.	-	-72.6	21.9	-	0.0	-	-48.5	0.0	-47.7
LB1933	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1934	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1935	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1950	PL	-	0.1831	-	-	-	-	-	-	0.18310
	TUM	-	0.2165	-	-	-	-	-	-	0.2165
	%diff.	-	-18.2	-	-	-	-	-	-	-18.2
LB1960	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1962	PL	0.0039	0.2011	-	-	0.0120	0.0001	0.0984	0.0063	0.3218
	TUM	0.0046	0.2055	-	-	0.0268	0.0001	0.1119	0.0061	0.3550
	%diff.	-17.9	-2.2	-	-	-123.3	0.0	-13.7	3.2	-10.3
LB1963	PL	-	0.0006	-	-	-	-	-	-	0.00060
	TUM	-	0.0002	-	-	-	-	-	-	0.0002
	%diff.	-	66.7	-	-	-	-	-	-	66.7

Key: PL - participating laboratory
TUM - Thomson Unicomarine Ltd.
AE- Aquatic Environments (External Auditor)
"- " - No data.

Table 5. Summary of the performance of participating laboratories in the Own Sample module (OS50-OS52) with respect to the NMBAQC/CSEMP standards.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	
LabCode	Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	%	Remedial Action	Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	Target	Flag	Target	Lab.	Flag	NMBAQCS/NMMP Sample Flag	
LB1901	OS50	53	46.8 - 57.2	PASS	0	0.0	-	1	1.9	-	383	344.7 - 421.3	PASS	0	0.0	-	-	-	-	90.0	98.43	PASS	Pass-Good
LB1901	OS51	24	21.6 - 26.4	PASS	0	0.0	-	0	0.0	-	72	64.8 - 79.2	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1901	OS52	42	39.6 - 48.4	PASS	0	0.0	-	1	2.3	-	115	103.5 - 126.5	PASS	0	0.0	-	-	-	-	90.0	97.39	PASS	Pass-Good
LB1902	OS50	85	78.3 - 95.7	PASS	1	1.1	-	2	2.3	-	1363	1217.7 - 1488.3	PASS	1	0.1	-	-	-	-	90.0	98.53	PASS	Pass-Good
LB1902	OS51	104	95.4 - 116.6	PASS	2	1.9	-	1	1.0	-	1362	1231.2 - 1504.8	PASS	6	0.4	-	-	-	-	90.0	99.05	PASS	Pass-Good
LB1902	OS52	103	93.6 - 114.4	PASS	0	0.0	-	3	2.9	-	1364	1219.5 - 1490.5	PASS	4	0.3	-	-	-	-	90.0	98.57	PASS	Pass-Good
LB1903	OS50	51	45.9 - 56.1	PASS	1	2.0	-	0	0.0	-	296	269.1 - 328.9	PASS	11	3.7	-	10.5733	8.4950 - 12.7426	PASS	90.0	96.13	PASS	Pass-Good
LB1903	OS51	18	16.0 - 20.0	PASS	0	0.0	-	0	0.0	-	538	459.0 - 561.0	PASS	2	0.4	-	5.0514	3.7270 - 5.5906	PASS	90.0	96.76	PASS	Pass-Good
LB1903	OS52	59	53.1 - 64.9	PASS	1	1.7	-	1	1.7	-	199	184.5 - 225.5	PASS	14	6.8	-	0.1085	0.1105 - 0.1657	Fail	90.0	95.05	PASS	Pass-Good
LB1904	OS50	12	10.0 - 14.0	PASS	0	0.0	-	0	0.0	-	29	26.1 - 31.9	PASS	0	0.0	-	0.6880	0.6369 - 0.9553	PASS	90.0	100.00	PASS	Pass-Excellent
LB1904	OS51	11	9.0 - 13.0	PASS	0	0.0	-	0	0.0	-	30	27.0 - 33.0	PASS	0	0.0	-	0.2792	0.2215 - 0.3323	PASS	90.0	100.00	PASS	Pass-Excellent
LB1904	OS52	51	48.6 - 59.4	PASS	2	3.7	-	1	1.9	-	461	434.7 - 531.3	PASS	8	1.7	-	22.7887	17.9118 - 26.8676	PASS	90.0	94.92	PASS	Pass-Acceptable
LB1905	OS50	100	90.9 - 111.1	PASS	0	0.0	-	1	1.0	-	681	608.4 - 743.6	PASS	0	0.0	-	-	-	-	90.0	98.75	PASS	Pass-Good
LB1905	OS51	31	27.9 - 34.1	PASS	0	0.0	-	0	0.0	-	10610	9479.7 - 11586.3	PASS	4	0.0	-	-	-	-	90.0	99.63	PASS	Pass-Good
LB1905	OS52	3	1.0 - 5.0	PASS	0	0.0	-	0	0.0	-	30	26.1 - 31.9	PASS	0	0.0	-	0.0047	0.0074 - 0.0112	Fail	90.0	98.30	PASS	Pass-Good
LB1906	OS50	45	41.4 - 50.6	PASS	1	2.2	-	0	0.0	-	90	83.7 - 102.3	PASS	2	2.2	-	1.3777	1.0989 - 1.6483	PASS	90.0	98.36	PASS	Pass-Good
LB1906	OS51	4	2.0 - 6.0	PASS	0	0.0	-	0	0.0	-	3	1.0 - 5.0	PASS	0	0.0	-	0.0792	0.0598 - 0.0896	PASS	90.0	100.00	PASS	Pass-Excellent
LB1906	OS52	3	1.0 - 5.0	PASS	0	0.0	-	0	0.0	-	1	-1.0 - 3.0	PASS	0	0.0	-	0.9008	0.7110 - 1.0666	PASS	90.0	100.00	PASS	Pass-Excellent
LB1907	OS50	16	14.0 - 18.0	PASS	0	0.0	-	0	0.0	-	84	73.8 - 90.2	PASS	0	0.0	-	-	-	-	90.0	98.80	PASS	Pass-Good
LB1907	OS51	20	18.9 - 23.1	PASS	0	0.0	-	0	0.0	-	65	59.4 - 72.6	PASS	0	0.0	-	-	-	-	90.0	99.24	PASS	Pass-Good
LB1907	OS52	37	33.3 - 40.7	PASS	0	0.0	-	0	0.0	-	164	149.4 - 182.6	PASS	2	1.2	-	-	-	-	90.0	99.40	PASS	Pass-Good
LB1908	OS50	38	34.2 - 41.8	PASS	0	0.0	-	0	0.0	-	195	175.5 - 214.5	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1908	OS51	22	20.7 - 25.3	PASS	1	4.3	-	0	0.0	-	100	90.0 - 110.0	PASS	1	1.0	-	-	-	-	90.0	99.00	PASS	Pass-Good
LB1908	OS52	21	18.9 - 23.1	PASS	0	0.0	-	0	0.0	-	92	82.8 - 101.2	PASS	0	0.0	-	-	-	-	90.0	95.65	PASS	Pass-Good
LB1909	OS50	37	36.0 - 44.0	PASS	1	2.5	-	3	7.7	-	103	92.7 - 113.3	PASS	2	1.9	-	5.0286	3.8277 - 5.7415	PASS	90.0	94.17	PASS	Pass-Acceptable
LB1909	OS51	48	43.2 - 52.8	PASS	0	0.0	-	6	12.5	-	185	166.5 - 203.5	PASS	0	0.0	-	11.2304	6.8634 - 10.2950	Fail	90.0	92.43	PASS	Pass-Acceptable
LB1909	OS52	64	60.3 - 73.7	PASS	2	3.0	-	4	6.2	-	325	289.8 - 354.2	PASS	9	2.8	-	4.5783	3.4858 - 5.2286	PASS	90.0	95.52	PASS	Pass-Good
LB1910	OS50	11	9.0 - 13.0	PASS	0	0.0	-	0	0.0	-	191	170.1 - 207.9	PASS	0	0.0	-	-	-	-	90.0	98.42	PASS	Pass-Good
LB1910	OS51	27	24.3 - 29.7	PASS	0	0.0	-	0	0.0	-	294	264.6 - 323.4	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1910	OS52	21	18.9 - 23.1	PASS	0	0.0	-	0	0.0	-	41	36.9 - 45.1	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1911	OS50	19	17.0 - 21.0	PASS	0	0.0	-	0	0.0	-	40	36.0 - 44.0	PASS	0	0.0	-	0.0264	0.0171 - 0.0257	Fail	90.0	100.00	PASS	Pass-Excellent
LB1911	OS51	24	21.6 - 26.4	PASS	0	0.0	-	0	0.0	-	73	80.1 - 97.9	Fail	23	25.8	Reprocess	0.0477	0.0188 - 0.0282	Fail	90.0	81.48	Fail	Pass-Remedial
LB1911	OS52	8	7.0 - 11.0	PASS	0	0.0	-	2	22.2	Review	25	22.5 - 27.5	PASS	0	0.0	-	0.5774	0.3741 - 0.5611	Fail	90.0	72.00	Fail	Pass-Remedial
LB1912	OS50	17	16.0 - 20.0	PASS	1	5.6	-	0	0.0	-	300	266.4 - 325.6	PASS	1	0.3	-	-	-	-	90.0	97.65	PASS	Pass-Good
LB1912	OS51	15	14.0 - 18.0	PASS	0	0.0	-	0	0.0	-	41	43.2 - 52.8	Fail	6	12.5	-	-	-	-	90.0	92.13	PASS	Pass-Acceptable
LB1912	OS52	18	15.0 - 19.0	PASS	0	0.0	-	1	5.9	-	515	459.9 - 562.1	PASS	0	0.0	-	-	-	-	90.0	99.61	PASS	Pass-Good
LB1913	OS50	11	9.0 - 13.0	PASS	0	0.0	-	1	9.1	-	39	36.0 - 44.0	PASS	2	5.0	-	-	-	-	90.0	93.67	PASS	Pass-Acceptable
LB1913	OS51	21	19.8 - 24.2	PASS	1	4.5	-	1	4.8	-	69	64.8 - 79.2	PASS	1	1.4	-	-	-	-	90.0	97.87	PASS	Pass-Good
LB1913	OS52	17	15.0 - 19.0	PASS	0	0.0	-	1	5.9	-	64	57.6 - 70.4	PASS	0	0.0	-	-	-	-	90.0	96.88	PASS	Pass-Good
LB1914	OS50	5	3.0 - 7.0	PASS	0	0.0	-	0	0.0	-	406	363.6 - 444.4	PASS	0	0.0	-	-	-	-	90.0	99.75	PASS	Pass-Good
LB1914	OS51	5	3.0 - 7.0	PASS	0	0.0	-	1	20.0	-	21	18.9 - 23.1	PASS	0	0.0	-	-	-	-	90.0	90.48	PASS	Pass-Acceptable
LB1914	OS52	14	12.0 - 16.0	PASS	0	0.0	-	0	0.0	-	44	39.6 - 48.4	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1915	OS50	11	9.0 - 13.0	PASS	0	0.0	-	0	0.0	-	30	27.0 - 33.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1915	OS51	3	2.0 - 6.0	PASS	1	25.0	-	0	0.0	-	240	218.7 - 267.3	PASS	3	1.2	-	-	-	-	90.0	99.38	PASS	Pass-Good
LB1915	OS52	18	16.0 - 20.0	PASS	0	0.0	-	1	5.6	-	31	28.8 - 35.2	PASS	1	3.1	-	-	-	-	90.0	92.06	PASS	Pass-Acceptable
LB1916	OS50	27	25.2 - 30.8	PASS	0	0.0	-	1	3.6	-	43	38.7 - 47.3	PASS	0	0.0	-	-	-	-	90.0	98.82	PASS	Pass-Good
LB1916	OS51	34	30.6 - 37.4	PASS	0	0.0	-	0	0.0	-	137	122.4 - 149.6	PASS	0	0.0	-	-	-	-	90.0	99.63	PASS	Pass-Good
LB1916	OS52	19	17.0 - 21.0	PASS	0	0.0	-	0	0.0	-	80	72.0 - 88.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1917	OS50	41	37.8 - 46.2	PASS	1	2.4	-	2	4.9	-	196	184.5 - 225.5	PASS	8	3.9	-	1.8671	1.4243 - 2.1365	PASS	90.0	95.76	PASS	Pass-Good
LB1917	OS51	26	22.5 - 27.5	PASS	0	0.0	-	5	20.0	Reprocess	99	90.9 - 111.1	PASS	0	0.0	-	2.8305	2.2658 - 3.3988	PASS	90.0	87.00	Fail	Pass-Remedial
LB1917	OS52	6	4.0 - 8.0	PASS	0	0.0	-	0	0.0	-	22	19.8 - 24.2	PASS	0	0.0	-	1.8165	1.4503 - 2.1755	PASS	90.0	100.00	PASS	Pass-Excellent
LB1918	OS50	15	16.0 - 20.0	Fail	3	16.7	-	0	0.0	-	150	139.5 - 170.5	PASS	4	2.6	-	-	-	-	90.0	95.74	PASS	Pass-Good
LB1918	OS51	16	15.0 - 19.0	PASS	1	5.9	-	0	0.0	-	158	138.6 - 169.4	PASS	2	1.3	-	-	-	-	90.0	97.43	PASS	Pass-Good
LB1918	OS52	19	17.0 - 21.0	PASS	1	5.3	Review	2	11.1	Review	107	105.3 - 128.7	PASS	10	8.5	Review	-	-	-	90.0	88.39	Fail	Fail-Poor

Table 5. Summary of the performance of participating laboratories in the Own Sample module (OS50-OS52) with respect to the NMBAQC/CSEMP standards.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
LabCode	Estimation of Taxa						Taxonomic Errors			Estimation of Abundance						Estimation of Biomass			Similarity Index			NMBAQCS/NMMP Sample Flag
Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	%	Remedial Action	Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	Target	Flag	Target	Lab.	Flag		
LB1919 OS50	8	6.0 - 10.0	PASS	0	0.0	-	0	0.0	-	106	95.4 - 116.6	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1919 OS51	20	18.0 - 22.0	PASS	1	5.0	-	1	5.3	-	99	91.8 - 112.2	PASS	2	2.0	-	-	-	-	90.0	96.52	PASS	Pass-Good
LB1919 OS52	14	12.0 - 16.0	PASS	0	0.0	-	0	0.0	-	275	248.4 - 303.6	PASS	3	1.1	-	-	-	-	90.0	99.46	PASS	Pass-Good
LB1923 OS50	33	30.6 - 37.4	PASS	0	0.0	-	1	2.9	-	103	89.1 - 108.9	PASS	0	0.0	-	-	-	-	90.0	96.04	PASS	Good
LB1923 OS51	9	7.0 - 11.0	PASS	0	0.0	-	0	0.0	-	13	10.0 - 14.0	PASS	0	0.0	-	-	-	-	90.0	96.00	PASS	Good
LB1923 OS52	26	23.4 - 28.6	PASS	0	0.0	-	0	0.0	-	106	95.4 - 116.6	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Excellent
LB1924 OS50	14	13.0 - 17.0	PASS	0	0.0	-	0	0.0	-	40	36.0 - 44.0	PASS	0	0.0	-	0.4124	0.2695 - 0.4043	Fail	90.0	97.50	PASS	Pass-Good
LB1924 OS51	10	8.0 - 12.0	PASS	0	0.0	-	1	10.0	-	32	28.8 - 35.2	PASS	0	0.0	-	0.3500	0.2535 - 0.3803	PASS	90.0	96.87	PASS	Pass-Good
LB1924 OS52	16	15.0 - 19.0	PASS	0	0.0	-	1	5.9	-	60	55.8 - 68.2	PASS	2	3.2	-	0.1847	0.1196 - 0.1794	Fail	90.0	93.44	PASS	Pass-Acceptable
LB1925 OS50	19	17.0 - 21.0	PASS	0	0.0	-	1	5.3	-	45	40.5 - 49.5	PASS	0	0.0	-	-	-	-	90.0	97.78	PASS	Pass-Good
LB1925 OS51	25	22.5 - 27.5	PASS	0	0.0	-	0	0.0	-	34	29.7 - 36.3	PASS	0	0.0	-	-	-	-	90.0	98.51	PASS	Pass-Good
LB1925 OS52	46	41.4 - 50.6	PASS	0	0.0	-	0	0.0	-	96	86.4 - 105.6	PASS	1	1.0	-	-	-	-	90.0	98.96	PASS	Pass-Good
LB1926 OS50	16	14.0 - 18.0	PASS	0	0.0	-	0	0.0	-	254	226.8 - 277.2	PASS	0	0.0	-	0.3138	0.3531 - 0.5297	Fail	90.0	99.60	PASS	Pass-Good
LB1926 OS51	11	10.0 - 14.0	PASS	0	0.0	-	0	0.0	-	322	267.3 - 326.7	PASS	0	0.0	-	0.5394	0.4927 - 0.7391	PASS	90.0	94.99	PASS	Pass-Acceptable
LB1926 OS52	14	12.0 - 16.0	PASS	0	0.0	-	0	0.0	-	828	728.1 - 889.9	PASS	1	0.1	-	0.6653	0.6943 - 1.0415	Fail	90.0	98.84	PASS	Pass-Good
LB1927 OS50	12	10.0 - 14.0	PASS	0	0.0	-	0	0.0	-	76	67.5 - 82.5	PASS	0	0.0	-	-	-	-	90.0	99.34	PASS	Pass-Good
LB1927 OS51	30	27.0 - 33.0	PASS	0	0.0	-	0	0.0	-	148	141.3 - 172.7	PASS	0	0.0	-	-	-	-	90.0	96.39	PASS	Pass-Good
LB1927 OS52	25	22.5 - 27.5	PASS	0	0.0	-	1	4.0	-	90	80.1 - 97.9	PASS	1	1.1	-	-	-	-	90.0	97.21	PASS	Pass-Good
LB1928 OS50	11	9.0 - 13.0	PASS	0	0.0	-	1	9.1	-	71	63.9 - 78.1	PASS	0	0.0	-	0.3419	0.3302 - 0.4954	PASS	90.0	98.59	PASS	Pass-Good
LB1928 OS51	8	6.0 - 10.0	PASS	0	0.0	-	1	12.5	Review	20	18.0 - 22.0	PASS	0	0.0	-	-	-	-	90.0	80.00	Fail	Fail-Bad
LB1928 OS52	26	23.4 - 28.6	PASS	0	0.0	-	1	3.8	-	540	485.1 - 592.9	PASS	0	0.0	-	-	-	-	90.0	99.72	PASS	Pass-Good
LB1929 OS50	11	9.0 - 13.0	PASS	0	0.0	-	0	0.0	-	153	134.1 - 163.9	PASS	0	0.0	-	-	-	-	90.0	98.67	PASS	Pass-Good
LB1929 OS51	13	11.0 - 15.0	PASS	0	0.0	-	0	0.0	-	83	73.8 - 90.2	PASS	0	0.0	-	-	-	-	90.0	99.39	PASS	Pass-Good
LB1929 OS52	4	2.0 - 6.0	PASS	0	0.0	-	0	0.0	-	8	6.0 - 10.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1930 OS50	19	17.0 - 21.0	PASS	1	5.3	-	1	5.6	-	40	36.9 - 45.1	PASS	1	2.4	-	-	-	-	90.0	96.30	PASS	Pass-Good
LB1930 OS51	1	-1.0 - 3.0	PASS	0	0.0	-	0	0.0	-	3	3.0 - 7.0	PASS	2	40.0	Review	-	-	-	90.0	75.00	Fail	Pass-Remedial
LB1930 OS52	14	12.0 - 16.0	PASS	0	0.0	-	0	0.0	-	213	196.2 - 239.8	PASS	5	2.3	-	-	-	-	90.0	98.83	PASS	Pass-Good
LB1931 OS50	29	26.1 - 31.9	PASS	0	0.0	-	0	0.0	-	141	127.8 - 156.2	PASS	0	0.0	-	-	-	-	90.0	99.65	PASS	Pass-Good
LB1931 OS51	20	18.0 - 22.0	PASS	0	0.0	-	0	0.0	-	288	259.2 - 316.8	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1931 OS52	17	17.0 - 21.0	PASS	2	10.5	-	0	0.0	-	83	80.1 - 97.9	PASS	6	6.7	-	-	-	-	90.0	96.51	PASS	Pass-Good
LB1932 OS50	26	24.3 - 29.7	PASS	1	3.7	-	0	0.0	-	756	679.5 - 830.5	PASS	6	0.8	-	-	-	-	90.0	99.80	PASS	Pass-Good
LB1932 OS51	10	8.0 - 12.0	PASS	0	0.0	-	0	0.0	-	387	348.3 - 425.7	PASS	1	0.3	-	0.3780	0.2936 - 0.4404	PASS	90.0	99.48	PASS	Pass-Good
LB1932 OS52	19	17.0 - 21.0	PASS	0	0.0	-	0	0.0	-	123	140.4 - 171.6	Fail	1	0.6	-	0.1064	0.1258 - 0.1886	Fail	90.0	88.17	Fail	Pass-Remedial
LB1933 OS50	46	41.4 - 50.6	PASS	0	0.0	-	0	0.0	-	185	163.8 - 200.2	PASS	0	0.0	-	-	-	-	90.0	99.18	PASS	Pass-Good
LB1933 OS51	96	86.4 - 105.6	PASS	0	0.0	-	0	0.0	-	1910	1761.3 - 2152.7	PASS	5	0.3	-	-	-	-	90.0	97.39	PASS	Pass-Good
LB1933 OS52	63	56.7 - 69.3	PASS	0	0.0	-	0	0.0	-	830	754.2 - 921.8	PASS	8	1.0	-	-	-	-	90.0	99.52	PASS	Pass-Good
LB1934 OS50	12	10.0 - 14.0	PASS	0	0.0	-	0	0.0	-	284	254.7 - 311.3	PASS	0	0.0	-	-	-	-	90.0	99.82	PASS	Pass-Good
LB1934 OS51	17	20.7 - 25.3	Fail	6	26.1	-	0	0.0	-	364	311.4 - 380.6	PASS	18	5.2	-	-	-	-	90.0	91.83	PASS	Pass-Acceptable
LB1934 OS52	3	1.0 - 5.0	PASS	0	0.0	-	0	0.0	-	33	28.8 - 35.2	PASS	0	0.0	-	-	-	-	90.0	98.46	PASS	Pass-Good
LB1935 OS50	12	10.0 - 14.0	PASS	0	0.0	-	0	0.0	-	1210	994.5 - 1215.5	PASS	3	0.3	-	-	-	-	90.0	95.29	PASS	Pass-Good
LB1935 OS51	11	9.0 - 13.0	PASS	0	0.0	-	0	0.0	-	1608	1315.8 - 1608.2	PASS	22	1.5	-	-	-	-	90.0	93.81	PASS	Pass-Acceptable
LB1935 OS52	11	9.0 - 13.0	PASS	0	0.0	-	0	0.0	-	1253	1116.9 - 1365.1	PASS	1	0.1	-	-	-	-	90.0	99.28	PASS	Pass-Good
LB1950 OS50	20	18.0 - 22.0	PASS	0	0.0	-	1	5.0	-	74	63.0 - 77.0	PASS	1	1.4	-	-	-	-	90.0	94.44	PASS	Pass-Acceptable
LB1950 OS51	14	12.0 - 16.0	PASS	0	0.0	-	0	0.0	-	68	63.9 - 78.1	PASS	6	8.5	-	-	-	-	90.0	93.53	PASS	Pass-Acceptable
LB1950 OS52	8	6.0 - 10.0	PASS	0	0.0	-	0	0.0	-	111	98.1 - 119.9	PASS	0	0.0	-	-	-	-	90.0	97.27	PASS	Pass-Good
LB1960 OS50	46	41.4 - 50.6	PASS	0	0.0	-	0	0.0	-	203	181.8 - 222.2	PASS	0	0.0	-	-	-	-	90.0	99.75	PASS	Pass-Good
LB1960 OS51	39	36.0 - 44.0	PASS	0	0.0	-	0	0.0	-	171	154.8 - 189.2	PASS	0	0.0	-	-	-	-	90.0	97.96	PASS	Pass-Good
LB1960 OS52	38	34.2 - 41.8	PASS	0	0.0	-	0	0.0	-	298	253.8 - 310.2	PASS	0	0.0	-	-	-	-	90.0	96.21	PASS	Pass-Good
LB1962 OS50	9	7.0 - 11.0	PASS	0	0.0	-	0	0.0	-	6	4.0 - 8.0	PASS	0	0.0	-	0.0059	0.0200 - 0.0300	Fail	90.0	100.00	PASS	Pass-Excellent
LB1962 OS51	49	45.0 - 55.0	PASS	1	2.0	-	1	2.0	-	220	199.8 - 244.2	PASS	1	0.5	-	23.3702	17.6931 - 26.5397	PASS	90.0	99.10	PASS	Pass-Good
LB1962 OS52	52	46.8 - 57.2	PASS	0	0.0	-	0	0.0	-	210	184.5 - 225.5	PASS	0	0.0	-	0.3218	0.2840 - 0.4260	PASS	90.0	98.80	PASS	Pass-Good
LB1963 OS50	4	2.0 - 6.0	PASS	0	0.0	-	0	0.0	-	20	18.0 - 22.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1963 OS51	28	26.1 - 31.9	PASS	0	0.0	-	1	3.4	-	356	318.6 - 389.4	PASS	1	0.3	-	-	-	-	90.0	99.15	PASS	Pass-Good
LB1963 OS52	1	-1.0 - 3.0	PASS	0	0.0	-	0	0.0	-	2	0 - 4.0	PASS	0	0.0	-	0.0006	0.0002 - 0.0002	Fail	90.0	100.00	PASS	Pass-Excellent

Table 6. Comparison of the overall performance of laboratories in the Own Sample exercises from 1995/96 to 2012/13 with respect to the NMBAQC / CSEMP standards. (Initial OS results excluding remedial action).

Scheme Year	Exercise	Pass (>90% BCSI)	Fail (<90% BCSI)	% Pass
02 (1995/96)	01	14	0	100
03 (1996/97)	02, 03, 04	27	11	71
04 (1997/98)	05, 06, 07	33	7	83
05 (1998/99)	08, 09, 10	30	12	71
06 (1999/00)	11, 12, 13	37	14	73
07 (2000/01)	14, 15, 16	30	15	67
08 (2001/02)*	17, 18, 19	35	10	78
09 (2002/03)*	20, 21, 22	33	11	75
10 (2003/04)*	23, 24, 25	43	8	84
11 (2004/05)*	26, 27, 28	51	3	94
12 (2005/06)*	29, 30, 31	50	4	93
13 (2006/07)*	32, 33, 34	63	6	91
14 (2007/08)*	35, 36, 37	69	12	85
15 (2008/09)*	38, 39, 40	67	24	74
16 (2009/10)*	41, 42, 43	75	18	81
17 (2010/11)*	44, 45, 46	85	14	86
18 (2011/12)*	47, 48, 49	95	4	96
19 (2012/13)*	50, 51, 52	102	6	94
	In Total	939	179	84

Key: * - Own Samples selected from completed data matrices, *i.e.* 'blind audits'
 BCSI - Bray Curtis similarity index (untransformed)

Table 7. Comparison of each laboratory's performance in the Own Sample exercises from Scheme year 02 (1995/96) to Scheme year 19 (2012/13). (Only participants subscribing to the Yr19 OS Component shown).

LabCode	Scheme Year 2				Scheme Year 3			Scheme Year 4			Scheme Year 5			Scheme Year 6			Scheme Year 7			Scheme Year 8			Scheme Year 9	
	OS01	OS02	OS03	OS04	OS05	OS06	OS07	OS08	OS09	OS10	OS11	OS12	OS13	OS14	OS15	OS16	OS17	OS18	OS19	OS20	OS21	OS22		
LB1901	-	-	-	-	95.75	92.56	96.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1902	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1903	97.94	-	92.08	-	74.34	94.64	96.43	71.03	96.48	99.17	98.32	97.65	96.3	96.67	98.21	96.96	92.41	96.74	89.86	98.54	98.2	99.54		
LB1904	97.91	96.3	85.8	89.82	75.29	95.44	74.89	73.3	97.33	93.01	73.02	99.5	90.5	93.13	94.57	90.32	96.67	94.12	90.39	94.27	96.43	96.77		
LB1905	-	-	-	-	-	-	-	95.08	53.66	60.42	-	-	-	-	-	-	84.32	100	80.31	-	-	-		
LB1906	-	-	-	-	60	62.5	83.82	87.5	93.5	94.12	74.21	76.6	70.98	74.02	81.74	78.47	78.95	90.36	100	70.25	94.68	78.57		
LB1907	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88.89	43.32	83.72		
LB1908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.68	91.36	93.63	98.66	96.44	92.46		
LB1909	-	-	-	-	89.9	-	-	-	-	-	95.8	49.56	67.28	72.73	89.52	70.87	55.86	71.28	90.77	72.58	98.56	99.61		
LB1910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1914	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1916	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1917	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1918	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1919	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1923	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1926	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1927	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1928	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1931	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1932	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1933	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1962	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
LB1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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Table 7. Comparison of each laboratory's performance in the Own Sample exercises from Scheme year 02 (1995/96) to Scheme year 19 (2012/13). (Only participants subscribing to the Yr19 OS Component shown).

LabCode	Scheme Year 10			Scheme Year 11			Scheme Year 12			Scheme Year 13			Scheme Year 14			Scheme Year 15			Scheme Year 16			Scheme Year 17		
	OS23	OS24	OS25	OS26	OS27	OS28	OS29	OS30	OS31	OS32	OS33	OS34	OS35	OS36	OS37	OS38	OS39	OS40	OS41	OS42	OS43	OS44	OS45	OS46
LB1901	-	-	-	98.21	96.45	90.77	49.37	96.54	96.32	100	90	80	95	98.54	96.55	100.00	96.05	92.99	99.64	97.75	92.45	88.94	98.67	97.30
LB1902	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.11	80.71	94.51	95.09	98.97	94.92	-
LB1903	99.6	97.85	98.86	99.46	100	97.33	99.26	99.65	99.91	99.59	99.28	100	99.9	99.59	99.37	99.51	99.66	99.46	98.65	99.27	100.00	99.67	99.77	99.68
LB1904	83.74	90.72	96.77	100	96.42	94.55	96.97	85.11	90.72	98	98.6	88.9	91.93	86.56	69.17	86.40	88.06	82.99	47.06	88.89	100.00	96.32	83.33	66.67
LB1905	93.7	83.94	91.23	-	-	-	99.35	95.65	97.87	98.2	96.7	99	99.15	100	98.28	94.08	99.35	88.00	100.00	100.00	98.63	98.38	100.00	100.00
LB1906	98.11	100	100	100	100	96.3	100	80.00	100	96.07	100	100	97.41	93.33	100	94.96	100.00	98.63	100.00	95.83	100.00	100.00	97.30	100.00
LB1907	99	94.6	85.11	94.74	95.89	96.43	99.19	95.89	96.3	98.1	97.9	87.5	100	86.2	96.34	99.62	99.64	99.68	96.55	100.00	95.78	98.80	97.93	58.79
LB1908	100	98.46	98	99.45	95.08	100	99.25	98.63	100	96.3	94.7	93.2	100	100	97.37	93.86	99.55	87.87	99.60	99.62	98.93	100.00	100.00	100.00
LB1909	95.89	95.82	97.62	100	98.9	98.52	100	95.86	98.85	90.1	86	90.1	98.59	96.58	99.6	-	-	-	76.98	99.22	92.03	97.42	90.96	97.65
LB1910	-	-	-	-	-	-	100	97.97	100	97.5	100	100	-	-	-	99.75	99.84	100.00	-	-	-	100.00	100.00	100.00
LB1911	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.84	81.48	88.89
LB1912	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	94.97	94.92	98.67	90.32	95.65	98.36
LB1914	-	-	-	-	-	-	-	-	-	-	-	-	66.67	99.35	81.34	97.00	71.55	97.70	86.96	99.45	100.00	100.00	99.03	90.00
LB1915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.81	100.00	99.44
LB1916	-	-	-	90.22	90.00	93.85	98.59	97.93	98.94	97	98.7	97.5	84.34	16.67	96.69	100.00	98.81	99.01	95.65	98.67	93.55	97.27	100.00	99.08
LB1917	-	-	-	-	-	-	(99.2)	(98.7)	(98.7)	97.5	100	96.7	99.2	100	100	98.26	94.83	96.05	95.94	92.15	93.95	81.08	100.00	98.82
LB1918	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.23	86.96	87.81	86.13	94.80	89.50	93.70	97.60	97.60	95.60
LB1919	-	-	-	-	-	-	-	-	-	-	-	-	96.86	96.55	89.82	88.74	95.79	70.42	84.65	93.53	97.30	99.80	96.67	98.15
LB1923	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.74	78.38	97.44	95.96	90.49	97.11	95.72	82.22	86.60	-
LB1924	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.74	89.80	94.821	93.57	97.56	98.04
LB1925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1926	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.17	89.02	94.74	-	-	-	-	-	-
LB1927	-	-	-	-	-	-	-	-	-	99.73	99.59	100	99.67	98.86	99.84	92.01	97.22	100.00	98.71	97.73	91.68	99.11	98.66	99.25
LB1928	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.58	99.70	99.87
LB1929	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.19	98.54	98.91
LB1930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.27	96.45	98.52
LB1931	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95.83	96.97	100.00
LB1932	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.00	96.01	98.37
LB1933	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.70	99.77	99.77
LB1934	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.53	99.51	99.56
LB1935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.00	100.00	67.51
LB1950	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98.57	96.88	93.10
LB1962	-	-	-	-	-	-	-	-	-	-	-	-	98.69	96.53	96.34	99.70	95.29	92.09	100.00	97.53	92.95	94.80	98.40	97.73
LB1963	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Table 7. Comparison of each laboratory's performance in the Own Sample exercises from Scheme year 02 (1995/96) to Scheme year 19 (2012/13). (Only participants subscribing to the Yr19 OS Component shown).

LabCode	Scheme Year 18			Scheme Year 19		
	OS47	OS48	OS49	OS50	OS51	OS52
LB1901	98.83	98.33	95.94	98.43	100.00	97.39
LB1902	99.80	95.69	96.99	98.53	99.05	98.57
LB1903	99.80	99.21	99.75	96.13	96.76	95.05
LB1904	87.50	90.00	100.00	100.00	100.00	94.92
LB1905	100.00	98.73	100.00	98.75	99.63	98.30
LB1906	98.01	100.00	95.65	98.36	100.00	100.00
LB1907	96.00	100.00	97.52	98.80	99.24	99.40
LB1908	100.00	99.53	100.00	100.00	99.00	95.65
LB1909	98.82	90.91	91.87	94.17	92.43	95.52
LB1910	100.00	98.18	100.00	98.42	100.00	100.00
LB1911	96.15	96.55	100.00	100.00	81.48	72.00
LB1912	98.87	99.32	98.50	97.65	92.13	99.61
LB1913	-	-	-	93.67	97.87	96.88
LB1914	100.00	100.00	97.22	99.75	90.48	100.00
LB1915	100.00	100.00	97.82	100.00	99.38	92.06
LB1916	93.75	94.74	100.00	98.82	99.63	100.00
LB1917	93.02	92.78	100.00	95.76	87.00	100.00
LB1918	-	-	-	95.74	97.43	88.39
LB1919	96.41	96.57	98.60	100.00	96.52	99.46
LB1923	98.92	97.25	100.00	96.04	96.00	100.00
LB1924	90.09	85.71	91.56	97.50	96.87	93.44
LB1925	99.71	100.00	100.00	97.78	98.51	98.96
LB1926	-	-	-	99.60	94.99	98.84
LB1927	96.52	97.96	98.11	99.34	96.39	97.21
LB1928	97.32	96.19	99.65	98.59	80.00	99.72
LB1929	97.28	99.54	99.96	98.67	99.39	100.00
LB1930	98.64	100.00	98.68	96.30	75.00	98.83
LB1931	98.62	99.84	99.60	99.65	100.00	96.51
LB1932	99.63	99.74	100.00	99.80	99.48	88.17
LB1933	98.77	100.00	99.81	99.18	97.39	99.52
LB1934	99.77	100.00	100.00	99.82	91.83	98.46
LB1935	100.00	100.00	100.00	95.29	93.81	99.28
LB1950	-	-	-	94.44	93.53	97.27
LB1960	92.75	90.91	91.11	99.75	97.96	96.21
LB1962	95.85	98.71	92.31	100.00	99.10	98.80
LB1963	-	-	-	100.00	99.15	100.00

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