



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

OS47, 48 & 49

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MODULE / EXERCISE DETAILS

Module:	Own Sample (OS)
Exercises:	OS47, OS48 & OS49
Targeted CSEMP Samples:	2010/2011
Data/Sample Request Circulated:	05/09/2011
Sample Submission Deadline:	02/12/2011 *
Number of Subscribing Laboratories:	33
Number of Own Samples Received:	33 x 3 = 99

* The publication of this report was considerably delayed due to the fact that one lab sent in their samples only in May 2013.

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Table 1. Results from the analysis of Own Samples (OS47 to OS49) supplied by the participating laboratories and re-analysis by Thomson Unicomarine Ltd.

1		2			3			4			5			6			7			8			9			10			11			12			13			14			15		
LabCode	PL	Number of Taxa			Number of Individuals			Not extracted			Count	Similarity	Taxonomic	Note																													
		TUM	Diff (n)	%max	PL	TUM	Diff (n)	%max	NewTaxa	Ind	%ind	Error	index	Errors																													
LB1802 OS47	5	5	0	0.0	8	8	0	0.0	0	0	0.0	0	87.5	2	Remedial action completed 09/05/13																												
LB1802 OS48	13	14	-1	7.1	49	51	-2	3.9	1	2	3.9	0	90.00	0	-																												
LB1802 OS49	1	1	0	0.0	1	1	0	0.0	0	0	0.0	0	100.00	0	-																												
LB1803 OS47	34	35	-1	2.9	213	211	2	0.9	0	1	0.5	3	98.82	0	Biomass to 5 dp.																												
LB1803 OS48	22	22	0	0.0	72	71	1	1.4	0	0	0.0	1	90.91	3	Biomass to 5 dp.																												
LB1803 OS49	32	36	-4	11.1	102	106	-4	3.8	2	4	3.8	0	91.87	5	Biomass to 5 dp.																												
LB1804 OS47	97	97	0	0.0	1261	1256	5	0.4	0	0	0.0	5	99.80	0	External Audit																												
LB1804 OS48	108	108	0	0.0	1017	1001	16	1.6	0	0	0.0	16	99.21	0	External Audit																												
LB1804 OS49	181	180	1	0.6	3252	3254	-2	0.1	1	7	0.2	5	99.75	0	External Audit																												
LB1805 OS47	56	54	2	3.6	74	77	-3	3.9	2	3	3.9	0	98.01	1	External Audit																												
LB1805 OS48	9	9	0	0.0	10	10	0	0.0	0	0	0.0	0	100.00	0	External Audit																												
LB1805 OS49	8	9	-1	11.1	12	11	1	8.3	0	0	0.0	1	95.65	0	External Audit																												
LB1806 OS47	64	64	0	0.0	641	642	-1	0.2	0	1	0.2	0	98.83	3	No biomass data																												
LB1806 OS48	71	72	-1	1.4	719	715	4	0.6	0	0	0.0	4	98.33	4	No biomass data																												
LB1806 OS49	38	38	0	0.0	136	135	1	0.7	0	0	0.0	1	95.94	2	No biomass data																												
LB1807 OS47	29	31	-2	6.5	59	63	-4	6.3	2	4	6.3	0	96.00	0	No biomass data																												
LB1807 OS48	23	23	0	0.0	170	170	0	0.0	0	0	0.0	0	100.00	0	No biomass data																												
LB1807 OS49	17	20	-3	15.0	59	60	-1	1.7	3	1	1.7	0	97.52	0	No biomass data																												
LB1808 OS47	6	6	0	0.0	500	502	-2	0.4	0	1	0.2	-1	99.80	0	No biomass data																												
LB1808 OS48	47	48	-1	2.1	372	370	2	0.5	0	0	0.0	2	95.69	1	No biomass data																												
LB1808 OS49	37	37	0	0.0	132	132	0	0.0	0	1	0.8	1	96.99	0	No biomass data																												
LB1809 OS47	27	27	0	0.0	88	88	0	0.0	0	0	0.0	0	100.00	0	No biomass data																												
LB1809 OS48	36	35	1	2.8	79	79	0	0.0	0	0	0.0	0	98.73	1	No biomass data																												
LB1809 OS49	39	39	0	0.0	68	68	0	0.0	0	0	0.0	0	100.00	0	No biomass data																												
LB1811 OS47	61	62	-1	1.6	233	234	-1	0.4	0	0	0.0	-1	95.60	3	No biomass data																												
LB1811 OS48	61	62	-1	1.6	348	347	1	0.3	0	0	0.0	1	97.31	2	No biomass data																												
LB1811 OS49	72	71	1	1.4	314	312	2	0.6	0	0	0.0	2	99.05	1	No biomass data																												
LB1812 OS47	20	21	-1	4.8	252	250	2	0.8	0	0	0.0	2	96.41	1	No biomass data																												
LB1812 OS48	16	17	-1	5.9	175	175	0	0.0	0	0	0.0	0	96.57	1	No biomass data																												
LB1812 OS49	18	19	-1	5.3	253	248	5	2.0	1	1	0.4	6	98.60	0	No biomass data																												
LB1814 OS47	19	19	0	0.0	38	38	0	0.0	0	0	0.0	0	100.00	0	No biomass data																												
LB1814 OS48	21	21	0	0.0	214	214	0	0.0	0	0	0.0	0	99.53	1	No biomass data																												
LB1814 OS49	11	11	0	0.0	31	31	0	0.0	0	0	0.0	0	100.00	0	No biomass data																												
LB1816 OS47	12	12	0	0.0	30	30	0	0.0	0	0	0.0	0	100.00	0	No biomass data																												
LB1816 OS48	10	10	0	0.0	27	26	1	3.7	0	0	0.0	1	98.18	-	No biomass data																												
LB1816 OS49	11	11	0	0.0	53	53	0	0.0	0	0	0.0	0	100.00	0	No biomass data																												
LB1817 OS47	22	24	-2	8.3	45	48	-3	6.3	1	1	2.1	-2	93.75	2	-																												
LB1817 OS48	20	20	0	0.0	36	36	0	0.0	0	0	0.0	0	94.74	1	-																												
LB1817 OS49	18	18	0	0.0	60	60	0	0.0	0	0	0.0	0	100.00	0	No biomass data																												
LB1818 OS47	16	16	0	0.0	21	21	0	0.0	0	0	0.0	0	93.02	2	-																												
LB1818 OS48	28	27	1	3.6	49	48	1	2.0	0	0	0.0	1	92.78	1	-																												
LB1818 OS49	3	3	0	0.0	3	4	-1	25.0	1	1	25.0	0	100.00	0	-																												
LB1819 OS47	5	5	0	0.0	9	9	0	0.0	0	0	0.0	0	100.00	0	No biomass data																												
LB1819 OS48	3	3	0	0.0	8	8	0	0.0	0	0	0.0	0	100.00	0	No biomass data																												
LB1819 OS49	9	9	0	0.0	34	34	0	0.0	0	0	0.0	0	97.22	1	No biomass data																												

Key: PL - participating laboratory
TUM - Thomson Unicomarine Ltd.
"- " - No data.

Table 1. Results from the analysis of Own Samples (OS47 to OS49) supplied by the participating laboratories and re-analysis by Thomson Unicomarine Ltd.

1		2			3				4				5			6				7			8			9			10			11			12			13			14			15		
LabCode		PL	TUM		Diff (n)		%max		PL	TUM		Diff (n)		%max		NewTaxa	Not extracted		%ind		Count Error	Similarity index	Taxonomic Errors		Note																					
LB1820	OS47	14	14	0	0.0	801	793	8	1.0	0	0	0.0	8	98.87	0	No biomass data																														
LB1820	OS48	14	15	-1	6.7	966	955	11	1.1	0	0	0.0	11	99.32	0	No biomass data																														
LB1820	OS49	11	12	-1	8.3	768	765	3	0.4	0	0	0.0	3	98.50	1	No biomass data																														
LB1821	OS47	11	12	-1	8.3	51	53	-2	3.8	0	2	3.8	0	96.15	1	-																														
LB1821	OS48	7	8	-1	12.5	14	15	-1	6.7	1	1	6.7	0	96.55	0	-																														
LB1821	OS49	2	2	0	0.0	2	2	0	0.0	0	0	0.0	0	100.00	0	-																														
LB1827	OS47	6	6	0	0.0	115	115	0	0.0	0	0	0.0	0	100.00	0	No biomass data																														
LB1827	OS48	16	16	0	0.0	109	109	0	0.0	0	0	0.0	0	100.00	0	No biomass data																														
LB1827	OS49	27	27	0	0.0	114	115	-1	0.9	0	1	0.9	0	97.82	1	No biomass data																														
LB1828	OS47	41	44	-3	6.8	98	107	-9	8.4	4	10	9.3	1	92.75	0	Biomass converted to mg																														
LB1828	OS48	25	27	-2	7.4	40	45	-5	11.1	2	5	11.1	0	90.91	0	Biomass converted to mg																														
LB1828	OS49	28	31	-3	9.7	43	47	-4	8.5	4	5	10.6	1	91.11	1	Biomass converted to mg																														
LB1829	OS47	9	8	1	11.1	54	57	-3	5.3	0	4	7.0	1	90.09	1	-																														
LB1829	OS48	12	12	0	0.0	40	44	-4	9.1	0	3	6.8	-1	85.71	2	Remedial action completed 24/10/13																														
LB1829	OS49	17	17	0	0.0	280	274	6	2.1	0	1	0.4	7	91.56	3	-																														
LB1830	OS47	24	26	-2	7.7	75	79	-4	5.1	2	6	7.6	2	93.50	2	No biomass data																														
LB1830	OS48	18	20	-2	10.0	140	117	23	16.4	1	1	0.9	24	88.72	6	No biomass data; Remedial action recommended.																														
LB1830	OS49	18	24	-6	25.0	80	87	-7	8.0	5	7	8.0	0	86.23	0	No biomass data; Remedial action recommended.																														
LB1831	OS47	31	33	-2	6.1	234	242	-8	3.3	2	7	2.9	-1	95.85	2	No biomass data																														
LB1831	OS48	76	76	0	0.0	1501	1506	-5	0.3	0	11	0.7	6	98.71	0	No biomass data																														
LB1831	OS49	6	6	0	0.0	10	12	-2	16.7	0	2	16.7	0	92.31	0	No biomass data																														
LB1832	OS47	140	143	-3	2.1	7260	6993	267	3.7	0	114	1.6	381	96.52	9	No biomass data																														
LB1832	OS48	140	142	-2	1.4	5239	5124	115	2.2	0	16	0.3	131	97.96	11	No biomass data																														
LB1832	OS49	19	19	0	0.0	809	781	28	3.5	0	2	0.3	30	98.11	0	No biomass data																														
LB1833	OS47	39	39	0	0.0	650	618	32	4.9	0	2	0.3	34	97.32	2	No biomass data																														
LB1833	OS48	24	25	-1	4.0	979	1042	-63	6.0	1	62	6.0	-1	96.19	5	-																														
LB1833	OS49	63	63	0	0.0	288	286	2	0.7	0	1	0.3	3	99.65	3	No biomass data																														
LB1834	OS47	23	24	-1	4.2	911	894	17	1.9	0	0	0.0	17	97.28	2	-																														
LB1834	OS48	9	10	-1	10.0	1081	1089	-8	0.7	1	7	0.6	-1	99.54	0	No biomass data																														
LB1834	OS49	29	28	1	3.4	9048	9055	-7	0.1	1	3	0.0	-4	99.96	0	-																														
LB1835	OS47	37	41	-4	9.8	13320	13497	-177	1.3	3	12	0.1	-165	98.64	0	-																														
LB1835	OS48	21	21	0	0.0	468	468	0	0.0	3	0	0.0	0	100.00	0	-																														
LB1835	OS49	37	37	0	0.0	311	299	12	3.9	0	0	0.0	12	98.68	0	No biomass data																														
LB1836	OS47	70	70	0	0.0	250	257	-7	2.7	0	7	2.7	0	98.62	0	No biomass data; External Audit																														
LB1836	OS48	36	36	0	0.0	320	321	-1	0.3	0	0	0.0	-1	99.84	0	No biomass data; External Audit																														
LB1836	OS49	48	48	0	0.0	1248	1242	6	0.5	1	3	0.2	9	99.60	0	No biomass data; External Audit																														
LB1837	OS47	16	15	1	6.3	810	810	0	0.0	1	3	0.4	3	99.63	0	No biomass data; External Audit																														
LB1837	OS48	19	19	0	0.0	587	584	3	0.5	0	0	0.0	3	99.74	0	No biomass data; External Audit																														
LB1837	OS49	13	13	0	0.0	432	432	0	0.0	0	0	0.0	0	100.00	0	No biomass data; External Audit																														
LB1838	OS47	12	12	0	0.0	743	725	18	2.4	0	0	0.0	18	98.77	0	No biomass data; External Audit																														
LB1838	OS48	13	13	0	0.0	43	43	0	0.0	0	0	0.0	0	100.00	0	No biomass data; External Audit																														
LB1838	OS49	18	18	0	0.0	798	801	-3	0.4	0	0	0.0	-3	99.81	0	No biomass data; External Audit																														
LB1839	OS47	70	70	0	0.0	876	874	2	0.2	0	1	0.1	3	99.77	0	No biomass data; External Audit																														
LB1839	OS48	17	17	0	0.0	111	111	0	0.0	0	0	0.0	0	100.00	0	No biomass data; External Audit																														
LB1839	OS49	8	8	0	0.0	18	18	0	0.0	0	0	0.0	0	100.00	0	No biomass data; External Audit																														
LB1840	OS47	9	9	0	0.0	9	9	0	0.0	0	0	0.0	0	100.00	0	No biomass data; External Audit																														
LB1840	OS48	14	14	0	0.0	33	33	0	0.0	0	0	0.0	0	100.00	0	No biomass data; External Audit																														
LB1840	OS49	19	19	0	0.0	241	241	0	0.0	0	0	0.0	0	100.00	0	No biomass data; External Audit																														
LB1841	OS47	19	19	0	0.0	229	232	-3	1.3	0	0	0.0	-3	98.92	0	No biomass data																														
LB1841	OS48	65	67	-2	3.0	290	292	-2	0.7	1	1	0.3	-1	97.25	3	No biomass data																														
LB1841	OS49	13	13	0	0.0	45	45	0	0.0	0	0	0.0	0	100.00	0	No biomass data																														
LB1842	OS47	8	7	1	12.5	696	694	2	0.3	0	1	0.1	3	99.71	0	-																														
LB1842	OS48	28	28	0	0.0	78	78	0	0.0	0	0	0.0	0	100.00	0	-																														
LB1842	OS49	18	18	0	0.0	59	59	0	0.0	0	0	0.0	0	100.00	0	-																														

Key: PL - participating laboratory
TUM - Thomson Unicomarine Ltd.
"- " - No data.

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS47-49).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1802	TUM count	-	3	-	-	1	-	4	-	8
OS47	PL missed	-	0	-	-	0	-	0	-	0
	%missed	-	0.0	-	-	0.0	-	0.0	-	0.0
LB1802	TUM count	1	22	-	-	1	-	27	-	51
OS48	PL missed	0	0	-	-	0	-	2	-	2
	%missed	0.0	0.0	-	-	0.0	-	7.4	-	3.9
LB1802	TUM count	-	1	-	-	-	-	-	-	1
OS49	PL missed	-	0	-	-	-	-	-	-	0
	%missed	-	0.0	-	-	-	-	-	-	0.0
LB1803	TUM count	6	119	-	-	13	41	31	1	211
OS47	PL missed	0	1	-	-	0	0	0	0	1
	%missed	0.0	0.8	-	-	0.0	0.0	0.0	0.0	0.5
LB1803	TUM count	3	47	-	-	12	3	6	-	71
OS48	PL missed	0	0	-	-	0	0	0	-	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1803	TUM count	2	36	-	-	17	22	29	-	106
OS49	PL missed	0	0	-	-	0	0	4	-	4
	%missed	0.0	0.0	-	-	0.0	0.0	13.8	-	3.8
LB1804	AE count	9	541	-	-	264	2	326	114	1256
OS47	TUM missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1804	AE count	4	422	27	-	98	14	416	20	1001
OS48	TUM missed	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
LB1804	AE count	18	688	25	1	1420	52	938	112	3254
OS49	TUM missed	0	1	0	0	0	2	4	0	7
	%missed	0.0	0.1	0.0	0.0	0.0	3.8	0.4	0.0	0.2
LB1805	AE count	3	49	-	-	8	3	9	5	77
OS47	TUM missed	0	2	-	-	0	0	0	1	3
	%missed	0.0	4.1	-	-	0.0	0.0	0.0	20.0	3.9
LB1805	AE count	1	5	1	-	2	-	-	1	10
OS48	TUM missed	0	0	0	-	0	-	-	0	0
	%missed	0.0	0.0	0.0	-	0.0	-	-	0.0	0.0
LB1805	AE count	1	8	-	-	1	-	1	-	11
OS49	TUM missed	0	0	-	-	0	-	0	-	0
	%missed	0.0	0.0	-	-	0.0	-	0.0	-	0.0
LB1806	TUM count	6	437	-	-	40	103	48	8	642
OS47	PL missed	0	0	-	-	0	0	1	0	1
	%missed	0.0	0.0	-	-	0.0	0.0	2.1	0.0	0.2
LB1806	TUM count	14	357	-	-	75	179	87	3	715
OS48	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1806	TUM count	-	60	-	-	5	10	60	-	135
OS49	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1807	TUM count	5	33	-	-	10	9	6	-	63
OS47	PL missed	3	1	-	-	0	0	0	-	4
	%missed	60.0	3.0	-	-	0.0	0.0	0.0	-	6.3
LB1807	TUM count	-	124	-	-	38	7	1	-	170
OS48	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1807	TUM count	1	30	-	-	23	5	1	-	60
OS49	PL missed	0	1	-	-	0	0	0	-	1
	%missed	0.0	3.3	-	-	0.0	0.0	0.0	-	1.7

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS47-49).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1808	TUM count	-	424	74	-	-	-	4	-	502
OS47	PL missed	-	1	0	-	-	-	0	-	1
	%missed	-	0.2	0.0	-	-	-	0.0	-	0.2
LB1808	TUM count	8	262	-	-	-	67	31	2	370
OS48	PL missed	0	0	-	-	-	0	0	0	0
	%missed	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0
LB1808	TUM count	1	99	-	-	2	1	26	3	132
OS49	PL missed	0	1	-	-	0	0	0	0	1
	%missed	0.0	1.0	-	-	0.0	0.0	0.0	0.0	0.8
LB1809	TUM count	2	38	1	-	2	3	42	-	88
OS47	PL missed	0	0	0	-	0	0	0	-	0
	%missed	0.0	0.0	0.0	-	0.0	0.0	0.0	-	0.0
LB1809	TUM count	3	51	-	-	2	5	15	3	79
OS48	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1809	TUM count	2	35	-	-	8	5	10	8	68
OS49	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1811	TUM count	2	142	4	-	11	34	32	9	234
OS47	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	0.0
LB1811	TUM count	5	226	3	-	18	46	44	5	347
OS48	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	0.0
LB1811	TUM count	3	220	3	-	14	38	27	7	312
OS49	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	0.0
LB1812	TUM count	6	60	40	-	1	2	139	2	250
OS47	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	0.0
LB1812	TUM count	-	42	87	-	1	-	43	2	175
OS48	PL missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1812	TUM count	-	232	1	-	4	-	5	6	248
OS49	PL missed	-	0	0	-	1	-	0	0	1
	%missed	-	0.0	0.0	-	25.0	-	0.0	0.0	0.4
LB1814	TUM count	-	15	-	-	16	2	5	-	38
OS47	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1814	TUM count	-	189	1	-	-	-	5	19	214
OS48	PL missed	-	0	0	-	-	-	0	0	0
	%missed	-	0.0	0.0	-	-	-	0.0	0.0	0.0
LB1814	TUM count	-	27	-	-	-	-	4	-	31
OS49	PL missed	-	0	-	-	-	-	0	-	0
	%missed	-	0.0	-	-	-	-	0.0	-	0.0
LB1816	TUM count	1	7	-	-	21	-	-	1	30
OS47	PL missed	0	0	-	-	0	-	-	0	0
	%missed	0.0	0.0	-	-	0.0	-	-	0.0	0.0
LB1816	TUM count	-	13	-	-	13	-	-	-	26
OS48	PL missed	-	0	-	-	0	-	-	-	0
	%missed	-	0.0	-	-	0.0	-	-	-	0.0
LB1816	TUM count	-	12	-	-	39	2	-	-	53
OS49	PL missed	-	0	-	-	0	0	-	-	0
	%missed	-	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 (OS47-49).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1817	TUM count	4	19	1	-	19	3	-	2	48
OS47	PL missed	0	0	1	-	0	0	-	0	1
	%missed	0.0	0.0	100.0	-	0.0	0.0	-	0.0	2.1
LB1817	TUM count	-	15	-	-	13	5	3	-	36
OS48	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1817	TUM count	-	20	-	-	32	5	3	-	60
OS49	PL missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1818	TUM count	-	11	-	-	1	3	2	4	21
OS47	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1818	TUM count	1	30	-	-	2	6	5	4	48
OS48	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1818	TUM count	1	3	-	-	-	-	-	-	4
OS49	PL missed	0	1	-	-	-	-	-	-	1
	%missed	0.0	33.3	-	-	-	-	-	-	25.0
LB1819	TUM count	1	5	-	-	-	1	2	-	9
OS47	PL missed	0	0	-	-	-	0	0	-	0
	%missed	0.0	0.0	-	-	-	0.0	0.0	-	0.0
LB1819	TUM count	-	7	-	-	-	-	1	-	8
OS48	PL missed	-	0	-	-	-	-	0	-	0
	%missed	-	0.0	-	-	-	-	0.0	-	0.0
LB1819	TUM count	-	10	-	-	-	2	22	-	34
OS49	PL missed	-	0	-	-	-	0	0	-	0
	%missed	-	0.0	-	-	-	0.0	0.0	-	0.0
LB1820	TUM count	-	68	538	-	117	-	67	3	793
OS47	PL missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1820	TUM count	-	88	598	-	123	-	146	-	955
OS48	PL missed	-	0	0	-	0	-	0	-	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	-	0.0
LB1820	TUM count	-	83	364	-	143	-	123	52	765
OS49	PL missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1821	TUM count	-	18	1	-	1	-	33	-	53
OS47	PL missed	-	1	0	-	0	-	1	-	2
	%missed	-	5.6	0.0	-	0.0	-	3.0	-	3.8
LB1821	TUM count	-	6	-	-	6	-	3	-	15
OS48	PL missed	-	0	-	-	1	-	0	-	1
	%missed	-	0.0	-	-	16.7	-	0.0	-	6.7
LB1821	TUM count	-	1	-	-	-	-	1	-	2
OS49	PL missed	-	0	-	-	-	-	0	-	0
	%missed	-	0.0	-	-	-	-	0.0	-	0.0
LB1827	TUM count	-	110	-	-	1	-	4	-	115
OS47	PL missed	-	0	-	-	0	-	0	-	0
	%missed	-	0.0	-	-	0.0	-	0.0	-	0.0
LB1827	TUM count	1	28	-	-	75	-	6	-	110
OS48	PL missed	0	0	-	-	0	-	0	-	0
	%missed	0.0	0.0	-	-	0.0	-	0.0	-	0.0
LB1827	TUM count	-	36	-	-	74	-	4	1	115
OS49	PL missed	-	0	-	-	1	-	0	0	1
	%missed	-	0.0	-	-	1.4	-	0.0	0.0	0.9

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS47-49).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1828	TUM count	4	62	-	-	7	5	25	4	107
OS47	PL missed	0	0	-	-	1	0	8	1	10
	%missed	0.0	0.0	-	-	14.3	0.0	32.0	25.0	9.3
LB1828	TUM count	3	23	-	-	2	2	14	1	45
OS48	PL missed	0	0	-	-	0	0	5	0	5
	%missed	0.0	0.0	-	-	0.0	0.0	35.7	0.0	11.1
LB1828	TUM count	1	26	-	-	3	2	13	2	47
OS49	PL missed	0	1	-	-	1	0	3	0	5
	%missed	0.0	3.8	-	-	33.3	0.0	23.1	0.0	10.6
LB1829	TUM count	1	12	-	-	24	-	20	-	57
OS47	PL missed	0	0	-	-	0	-	4	-	4
	%missed	0.0	0.0	-	-	0.0	-	20.0	-	7.0
LB1829	TUM count	-	21	-	-	22	-	1	-	44
OS48	PL missed	-	1	-	-	2	-	0	-	3
	%missed	-	4.8	-	-	9.1	-	0.0	-	6.8
LB1829	TUM count	-	127	136	-	4	-	7	-	274
OS49	PL missed	-	1	0	-	0	-	0	-	1
	%missed	-	0.8	0.0	-	0.0	-	0.0	-	0.4
LB1830	TUM count	-	7	-	-	15	15	25	17	79
OS47	PL missed	-	4	-	-	0	0	1	1	6
	%missed	-	57.1	-	-	0.0	0.0	4.0	5.9	7.6
LB1830	TUM count	-	64	-	-	-	41	10	2	117
OS48	PL missed	-	0	-	-	0	0	1	0	1
	%missed	-	0.0	-	-	-	0.0	10.0	0.0	0.9
LB1830	TUM count	-	69	-	-	-	10	4	4	87
OS49	PL missed	-	1	-	-	-	0	3	3	7
	%missed	-	1.4	-	-	-	0.0	75.0	75.0	8.0
LB1831	TUM count	24	40	1	-	106	7	64	-	242
OS47	PL missed	0	0	0	-	4	1	2	-	7
	%missed	0.0	0.0	0.0	-	3.8	14.3	3.1	-	2.9
LB1831	TUM count	109	1025	132	-	48	12	171	9	1506
OS48	PL missed	1	0	0	-	0	0	10	0	11
	%missed	0.9	0.0	0.0	-	0.0	0.0	5.8	0.0	0.7
LB1831	TUM count	-	-	-	-	1	1	10	-	12
OS49	PL missed	-	-	-	-	0	0	2	-	2
	%missed	-	-	-	-	0.0	0.0	20.0	-	16.7
LB1832	TUM count	8	1827	1025	-	963	27	577	2566	6993
OS47	PL missed	1	27	14	-	3	5	9	55	114
	%missed	12.5	1.5	1.4	-	0.3	18.5	1.6	2.1	1.6
LB1832	TUM count	52	986	1926	1	1166	13	649	331	5124
OS48	PL missed	0	2	5	0	0	1	4	4	16
	%missed	0.0	0.2	0.3	0.0	0.0	7.7	0.6	1.2	0.3
LB1832	TUM count	-	167	103	-	2	-	90	419	781
OS49	PL missed	-	1	0	-	0	-	0	1	2
	%missed	-	0.6	0.0	-	0.0	-	0.0	0.2	0.3
LB1833	TUM count	-	202	245	-	2	-	89	80	618
OS47	PL missed	-	0	1	-	0	-	0	1	2
	%missed	-	0.0	0.4	-	0.0	-	0.0	1.3	0.3
LB1833	TUM count	-	463	195	316	3	-	7	58	1042
OS48	PL missed	-	0	3	0	0	-	1	58	62
	%missed	-	0.0	1.5	0.0	0.0	-	14.3	100.0	6.0
LB1833	TUM count	1	199	8	-	54	4	3	17	286
OS49	PL missed	0	1	0	-	0	0	0	0	1
	%missed	0.0	0.5	0.0	-	0.0	0.0	0.0	0.0	0.3

Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS47-49).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1834	TUM count	-	558	16	-	15	-	305	-	894
OS47	PL missed	-	0	0	-	0	-	0	-	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	-	0.0
LB1834	TUM count	-	235	758	-	93	-	-	3	1089
OS48	PL missed	-	0	0	-	7	-	-	0	7
	%missed	-	0.0	0.0	-	7.5	-	-	0.0	0.6
LB1834	TUM count	7	4936	3664	-	2	-	51	395	9055
OS49	PL missed	0	0	0	-	2	-	1	0	3
	%missed	0.0	0.0	0.0	-	100.0	-	2.0	0.0	0.0
LB1835	TUM count	3	2323	8780	-	9	-	2077	305	13497
OS47	PL missed	0	2	0	-	5	-	1	4	12
	%missed	0.0	0.1	0.0	-	55.6	-	0.0	1.3	0.1
LB1835	TUM count	1	333	113	-	-	-	14	7	468
OS48	PL missed	0	0	0	-	-	-	0	0	0
	%missed	0.0	0.0	0.0	-	-	-	0.0	0.0	0.0
LB1835	TUM count	4	31	-	-	3	180	76	5	299
OS49	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1836	AE count	-	91	5	-	48	38	72	3	257
OS47	TUM missed	-	6	0	-	0	0	1	0	7
	%missed	-	6.6	0.0	-	0.0	0.0	1.4	0.0	2.7
LB1836	AE count	-	141	7	-	7	-	127	39	321
OS48	TUM missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1836	AE count	28	854	141	-	58	-	55	106	1242
OS49	TUM missed	0	2	1	-	0	-	0	0	3
	%missed	0.0	0.2	0.7	-	0.0	-	0.0	0.0	0.2
LB1837	AE count	-	4	10	-	22	-	636	138	810
OS47	TUM missed	-	0	0	-	0	-	3	0	3
	%missed	-	0.0	0.0	-	0.0	-	0.5	0.0	0.4
LB1837	AE count	-	16	130	-	-	-	432	6	584
OS48	TUM missed	-	0	0	-	-	-	0	0	0
	%missed	-	0.0	0.0	-	-	-	0.0	0.0	0.0
LB1837	AE count	-	3	104	-	1	-	319	5	432
OS49	TUM missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1838	AE count	-	5	41	-	-	-	677	2	725
OS47	TUM missed	-	0	0	-	-	-	0	0	0
	%missed	-	0.0	0.0	-	-	-	0.0	0.0	0.0
LB1838	AE count	-	19	14	-	-	-	1	9	43
OS48	TUM missed	-	0	0	-	-	-	0	0	0
	%missed	-	0.0	0.0	-	-	-	0.0	0.0	0.0
LB1838	AE count	-	721	2	-	13	-	5	60	801
OS49	TUM missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1839	AE count	4	643	27	-	74	1	11	114	874
OS47	TUM missed	0	1	0	-	0	0	0	0	1
	%missed	0.0	0.2	0.0	-	0.0	0.0	0.0	0.0	0.1
LB1839	AE count	-	59	8	-	2	-	8	34	111
OS48	TUM missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1839	AE count	-	14	-	-	1	3	-	-	18
OS49	TUM missed	-	0	-	-	0	0	-	-	0
	%missed	-	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 (OS47-49).

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1840	AE count	-	2	1	-	5	-	-	1	9
OS47	TUM missed	-	0	0	-	0	-	-	0	0
	%missed	-	0.0	0.0	-	0.0	-	-	0.0	0.0
LB1840	AE count	-	25	-	-	2	1	5	-	33
OS48	TUM missed	-	0	-	-	0	0	0	-	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	-	0.0
LB1840	AE count	14	80	2	-	17	-	1	127	241
OS49	TUM missed	0	0	0	-	0	-	0	0	0
	%missed	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1841	TUM count	-	212	-	-	2	-	8	10	232
OS47	PL missed	-	0	-	-	0	-	0	0	0
	%missed	-	0.0	-	-	0.0	-	0.0	0.0	0.0
LB1841	TUM count	2	243	-	1	8	7	31	-	292
OS48	PL missed	0	0	-	0	0	0	1	-	1
	%missed	0.0	0.0	-	0.0	0.0	0.0	3.2	-	0.3
LB1841	TUM count	2	31	-	-	-	1	9	2	45
OS49	PL missed	0	0	-	-	-	0	0	0	0
	%missed	0.0	0.0	-	-	-	0.0	0.0	0.0	0.0
LB1842	TUM count	-	689	-	-	-	-	5	-	694
OS48	PL missed	-	0	-	-	-	-	1	-	1
	%missed	-	0.0	-	-	-	-	20.0	-	0.1
LB1842	TUM count	5	57	-	1	-	6	6	3	78
OS49	PL missed	0	0	-	0	-	0	0	0	0
	%missed	0.0	0.0	-	0.0	-	0.0	0.0	0.0	0.0
LB1842	TUM count	-	26	-	-	-	5	27	1	59
OS50	PL missed	-	0	-	-	-	0	0	0	0
	%missed	-	0.0	-	-	-	0.0	0.0	0.0	0.0

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

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS47 - 49) (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other
LB1802	OS47	2	<i>Eunoe</i> sp. juv. (<i>Gattyana</i>)	-	<i>Nucula sulcata</i> (<i>N. nitidosa</i>)	-	-	-
LB1802	OS48	0	-	-	-	-	-	-
LB1802	OS49	0	-	-	-	-	-	-
LB1803	OS47	0	-	-	-	-	-	-
LB1803	OS48	3	<i>Chaetozone zetlandica</i> (<i>C. gibber</i>)	-	<i>Spisula solida</i> juv. (<i>S. elliptica</i>)	<i>Eurydice truncata</i> (<i>E. pulchra</i>)	-	-
LB1803	OS49	5	-	-	<i>Aporrhais pespelicani</i> (<i>Typhlomangelia nivalis</i>) <i>Nucula nucleus</i> (<i>N. nitidosa</i>) <i>Moerella donacina</i> (<i>Tellimya ferruginea</i>) <i>Chamelea striatula</i> (<i>Myrtea spinifera</i>) <i>Cochlodesma praetenu</i> juv. (<i>Thracia phaseolina</i>)	-	-	-
LB1804	OS47	0	-	-	-	-	-	-
LB1804	OS48	0	-	-	-	-	-	-
LB1804	OS49	0	-	-	-	-	-	-
LB1805	OS47	1	-	-	<i>Spisula elliptica</i> (<i>S. solida</i>)	-	-	-
LB1805	OS48	0	-	-	-	-	-	-
LB1805	OS49	0	-	-	-	-	-	-
LB1806	OS47	3	-	-	<i>Melanella lubrica</i> ? (<i>Vitreolina philippi</i>) <i>Acteon tornatilis</i> juv. (<i>Diaphana minuta</i>) <i>Phaxas pellucidus</i> (<i>Mya truncata</i> juv.)	-	-	-
LB1806	OS48	4	Nemertea (<i>Notomastus</i> sp.)	-	<i>Aclis</i> sp. (<i>Eulimella ventricosa</i>) <i>Melanella polita</i> (<i>Vitreolina philippi</i>) <i>Acteon tornatilis</i> juv. (<i>Diaphana minuta</i>)	-	-	-
LB1806	OS49	2	-	-	<i>Limatula gwyni</i> (<i>L. subauriculata</i>) <i>Kurtiella bidentata</i> (<i>Turtonia minuta</i>)	-	-	-
LB1807	OS47	0	-	-	-	-	-	-
LB1807	OS48	0	-	-	-	-	-	-
LB1807	OS49	1	-	-	-	-	-	-
LB1808	OS47	0	-	-	-	-	-	-
LB1808	OS48	2	<i>Minuspio multibranchiata</i> (<i>M. cirrifera</i>) <i>Polyphysia crassa</i> (<i>Lipobranchius jeffreysii</i>)	-	-	-	-	-
LB1808	OS49	0	-	-	-	-	-	-
LB1809	OS47	0	-	-	-	-	-	-
LB1809	OS48	1	<i>Scolecopsis foliosa</i> type 1 (<i>Parascolecopsis korsuni</i>)	-	-	-	-	-
LB1809	OS49	0	-	-	-	-	-	-
LB1811	OS47	3	<i>Pholoe assimilis</i> (<i>P. inornata</i>)	-	<i>Abra prismatica</i> (<i>A. nitida</i>)	<i>Eudorella truncatula</i> (<i>Eudorellopsis deformis</i>)	-	-
LB1811	OS48	2	<i>Pholoe assimilis</i> (<i>P. inornata</i>)	-	-	<i>Eudorella truncatula</i> (<i>Eudorellopsis deformis</i>)	-	-
LB1811	OS49	1	<i>Pholoe assimilis</i> (<i>P. inornata</i>)	-	-	-	-	-
LB1812	OS47	1	-	-	<i>Abra nitida</i> (<i>A. alba</i>)	-	-	-
LB1812	OS48	1	-	-	<i>Abra nitida</i> (<i>A. alba</i>)	-	-	-
LB1812	OS49	0	-	-	-	-	-	-
LB1814	OS47	0	-	-	-	-	-	-
LB1814	OS48	1	-	-	<i>Dosinia exoleta</i> (<i>D. lupinus</i>)	-	-	-
LB1814	OS49	0	-	-	-	-	-	-
LB1816	OS47	0	-	-	-	-	-	-
LB1816	OS48	0	-	-	-	-	-	-
LB1816	OS49	0	-	-	-	-	-	-
LB1817	OS47	2	<i>Questa</i> sp. (<i>Tubificoides amplisativus</i>)	-	-	-	-	Turbellaria (Miscellania debris)
LB1817	OS48	1	-	-	<i>Spisula solida</i> (<i>S. elliptica</i>)	-	-	-
LB1817	OS49	0	-	-	-	-	-	-
LB1818	OS47	2	<i>Abyssoninoe hibernica</i> (<i>Lumbrineris agastos</i>)	-	-	-	-	Edwardsiidae (Nemertea)
LB1818	OS48	1	-	-	<i>Hanleya hanleyi</i> (Acanthochitonidae)	-	-	-
LB1818	OS49	0	-	-	-	-	-	-
LB1819	OS47	0	-	-	-	-	-	-
LB1819	OS48	0	-	-	-	-	-	-
LB1819	OS49	1	-	-	<i>Chamelea striatula</i> (<i>C. gallina</i>)	-	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS47 - 49) (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other
LB1820	OS47	0	-	-	-	-	-	-
LB1820	OS48	0	-	-	-	-	-	-
LB1820	OS49	1	<i>Pygospio elegans (Hediste diversicolor)</i>	-	-	-	-	-
LB1821	OS47	1	-	<i>Capitella sp. (Tubificoides pseudogaster agg.)</i>	-	-	-	-
LB1821	OS48	0	-	-	-	-	-	-
LB1821	OS49	0	-	-	-	-	-	-
LB1827	OS47	0	-	-	-	-	-	-
LB1827	OS48	0	-	-	-	-	-	-
LB1827	OS49	1	-	-	-	<i>Bathyporeia guillamsoniana (B. elegans)</i>	-	-
LB1828	OS47	0	-	-	-	-	-	-
LB1828	OS48	0	-	-	-	-	-	-
LB1828	OS49	1	-	-	<i>Thyasira flexuosa (T. polygona)</i>	-	-	-
LB1829	OS47	1	<i>Hediste diversicolor (Nereis)</i>	-	-	-	-	-
LB1829	OS48	2	-	-	<i>Scrobicularia plana juv. (Corbula gibba)</i>	<i>Monocorophium sextonae (Corophium)</i>	-	-
LB1829	OS49	3	<i>Tharyx sp. A (Aphelochaeta)</i>	-	<i>Tapes philippinarum (Cerastoderma)</i>	<i>Monocorophium insidiosum (Corophium)</i>	-	-
LB1830	OS47	2	-	-	<i>Chamelea striatula (C. gallina)</i> <i>Thracia convexa (Cochlodesma praetenu)</i>	-	-	-
LB1830	OS48	6	<i>Chaetozone setosa (C. gibber)</i> <i>Praxillella affinis (Clymenura borealis)</i> <i>Nephtys incisa (N. hombergi)</i> <i>Spiophanes kroyeri (Prionospio fallax)</i>	-	<i>Abra nitida (A. alba)</i> <i>Dosinia lupinus (D. exoleta)</i>	-	-	-
LB1830	OS49	0	-	-	-	-	-	-
LB1831	OS47	2	<i>Nephtys cirrosa (N. hombergi)</i> <i>Owenia fusiformis (Galathowenia oculata)</i>	-	-	-	-	-
LB1831	OS48	0	-	-	-	-	-	-
LB1831	OS49	0	-	-	-	-	-	-
LB1832	OS47	9	<i>Malmgrenia marphysae (M. arenicolae)</i> <i>Eumida sanguinea (E. bahusiensis)</i> <i>Aphelochaeta sp. B (A. marioni)</i> <i>Cossura pygodactyla (C. longocirrata)</i> <i>Schistomeringos rudolphi (Protodorvillea kefersteini)</i> <i>Tharyx sp. A (Cirratulus juv.)</i>	<i>Paranaeis litoralis (Enchytraeidae)</i>	<i>Nucula nitidosa (N. nucleus)</i>	<i>Nototropis guttatus (A. vedlomensis)</i>	-	-
LB1832	OS48	11	<i>Laetmonice sp. juv. (Aphrodita aculeata juv.)</i> <i>Harmothoe mariannae (H. impar)</i> <i>Malmgrenia darbouxi (M. arenicolae)</i> <i>Lepidasthenia brunnea (L. argus)</i> <i>Proceratea sp. (Myrianida sp.)</i> <i>Cossura pygodactyla (C. longocirrata)</i> <i>Euclymene oerstedii (Praxillella affinis)</i> <i>Erinaceusyllis erinaceus (Prospaerosyllis tetralix)</i> <i>Heteroclymene robusta (Euclymene oerstedii)</i>	<i>Tubificoides pseudogaster agg. (Enchytraeidae)</i>	<i>Parvicardium pinnulatum (Cerastoderma edule juv.)</i>	-	-	-
LB1832	OS49	0	-	-	-	-	-	-
LB1833	OS47	2	<i>Dipolydora coeca (Polydora cornuta)</i>	-	<i>Cylichina umbilicata (Retusa obtusata)</i>	-	-	-
LB1833	OS48	5	<i>Exogone verrugera (E. naidina)</i> <i>Prospaerosyllis tetralix (Sphaerosyllis hystrix)</i> <i>Alitta virens (Hediste diversicolor)</i> <i>Cossura pygodactyla (C. longocirrata)</i> <i>Ampharete lindstroemi agg. (A. acutifrons)</i>	-	-	-	-	-
LB1833	OS49	3	<i>Nephtys hystrix (N. cirrosa)</i> <i>Polycirrus medusa (P. norvegica)</i> <i>Polycirrus medusa (P. plumosus)</i>	-	-	-	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS47 - 49) (erroneous identifications in brackets).

LabCode	OS	Taxonomic	Major Taxonomic Group						
		Errors	Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other	
LB1834	OS47	2	<i>Cossura pygodactyla</i> (<i>C. longocirrata</i>) <i>Ampharete lindstroemi</i> agg. (<i>A. acutifrons</i>)	-	-	-	-	-	-
LB1834	OS48	0	-	-	-	-	-	-	-
LB1834	OS49	0	-	-	-	-	-	-	-
LB1835	OS47	0	-	-	-	-	-	-	-
LB1835	OS48	0	-	-	-	-	-	-	-
LB1835	OS49	0	-	-	-	-	-	-	-
LB1836	OS47	0	-	-	-	-	-	-	-
LB1836	OS48	0	-	-	-	-	-	-	-
LB1836	OS49	0	-	-	-	-	-	-	-
LB1837	OS47	0	-	-	-	-	-	-	-
LB1837	OS48	0	-	-	-	-	-	-	-
LB1837	OS49	0	-	-	-	-	-	-	-
LB1838	OS47	0	-	-	-	-	-	-	-
LB1838	OS48	0	-	-	-	-	-	-	-
LB1838	OS49	0	-	-	-	-	-	-	-
LB1839	OS47	0	-	-	-	-	-	-	-
LB1839	OS48	0	-	-	-	-	-	-	-
LB1839	OS49	0	-	-	-	-	-	-	-
LB1840	OS47	0	-	-	-	-	-	-	-
LB1840	OS48	0	-	-	-	-	-	-	-
LB1840	OS49	0	-	-	-	-	-	-	-
LB1841	OS47	0	-	-	-	-	-	-	-
LB1841	OS48	3	<i>Monticellina</i> sp. (<i>Aphelochaeta</i> sp. A) <i>Spirobranchus lamarcki</i> (<i>Pomatoceros triqueter</i>)	-	<i>Moerella donacina</i> (<i>Tellina pygmaea</i>)	-	-	-	-
LB1841	OS49	0	-	-	-	-	-	-	-
LB1842	OS47	0	-	-	-	-	-	-	-
LB1842	OS48	0	-	-	-	-	-	-	-
LB1842	OS49	0	-	-	-	-	-	-	-
Total		95	48	3	34	7	0	2	
% error		-	51	3	36	7	0	2	

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 OS47-OS49.

LabCode		Sample OS47							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1802	PL	-	0.0321	-	-	1.3132	-	0.0010	-	1.3463
	TUM	-	0.0303	-	-	1.233	-	0.0291	-	1.2924
	%diff.	-	5.6	-	-	6.1	-	-2810.0	-	4.0
LB1803	PL	0.04047	1.49796	-	-	0.01603	0.01753	0.07457	0.08764	1.73420
	TUM	0.0355	1.2796	-	-	0.0105	0.0102	0.0655	0.0804	1.4817
	%diff.	12.3	14.6	-	-	34.5	41.8	12.2	8.3	14.6
LB1804	TUM	0.2410	11.7465	-	-	0.1239	1.0784	80.8210	3.8255	97.83630
	AE	0.2363	11.3722	-	-	0.1154	1.0903	79.0928	3.7165	95.6235
	%diff.	2.0	3.2	-	-	6.9	-1.1	2.1	2.8	2.3
LB1805	TUM	0.0219	0.1457	-	-	0.0057	0.0505	1.5596	0.0079	1.7913
	AE	0.0208	0.1311	-	-	0.0050	0.0463	1.5203	0.0071	1.7306
	%diff.	5.0	10.0	-	-	12.3	8.3	2.5	10.1	3.4
LB1806	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1807	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1808	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1809	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1811	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1812	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1814	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1816	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1817	PL	0.0061	0.1300	-	-	0.0155	0.0170	-	0.0025	0.1711
	TUM	0.0041	0.1072	-	-	0.0120	0.0165	-	0.0021	0.1419
	%diff.	32.8	17.5	-	-	22.6	2.9	-	16.0	17.1
LB1818	PL	0.3372	0.1543	0.0000	0.0000	0.0000	1.9000	0.0074	0.1577	2.5566
	TUM	0.0000	0.1678	0.0000	0.0000	0.0000	1.7694	0.0089	0.4087	2.3548
	%diff.	100.0	-8.7	-	-	-	6.9	-20.3	-159.2	7.9
LB1819	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1820	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 OS47-OS49.

LabCode		Sample OS47							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1821	PL	-	0.5441	0.0002	-	0.0004	-	3.3264	-	3.8711
	TUM	-	0.2408	0.0002	-	0.0003	-	2.5943	-	2.8356
	%diff.	-	55.7	0.0	-	25.0	-	22.0	-	26.7
LB1827	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1828	PL	0.0123	0.2388	-	0.0001	0.0639	0.0437	0.0698	0.0110	0.4396
	TUM	0.0091	0.2748	-	0.0001	0.0491	0.0355	0.0588	0.0038	0.4312
	%diff.	26.0	-15.1	-	0.0	23.2	18.8	15.8	65.5	1.9
LB1829	PL	0.0028	0.0584	-	-	0.0840	-	0.0292	-	0.1744
	TUM	0.0015	0.0345	-	-	0.0553	-	0.0272	-	0.1185
	%diff.	46.4	40.9	-	-	34.2	-	6.8	-	32.1
LB1830	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1831	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1832	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1833	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1834	PL	-	0.4436	0.0008	-	0.0671	-	0.2012	-	0.7127
	TUM	-	0.4388	0.0007	-	0.0744	-	0.2247	-	0.7386
	%diff.	-	1.1	12.5	-	-10.9	-	-11.7	-	-3.6
LB1835	PL	0.3871	4.5184	6.5077	-	0.0012	-	2.7613	0.012	14.1877
	TUM	0.2529	2.4055	5.0833	-	0.0004	-	1.4479	0.0031	9.1931
	%diff.	34.7	46.8	21.9	-	66.7	-	47.6	74.2	35.2
LB1836	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1837	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1838	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1839	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1840	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1841	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1842	PL	-	5.79815	-	-	-	-	0.0065	-	5.80465
	TUM	-	8.5260	-	-	-	-	0.0068	-	8.5328
	%diff.	-	-47.0	-	-	-	-	-4.6	-	-47.0

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 OS47-OS49.

		Sample OS48								
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1802	PL	0.0001	0.1825	-	-	0.0074	-	3.9465	-	4.1365
	TUM	0.0003	0.1578	-	-	0.0064	-	2.8940	-	3.0585
	% diff.	-200.0	13.5	-	-	13.5	-	26.7	-	26.1
LB1803	PL	0.00212	0.29724	-	-	0.02279	0.06053	0.07406	-	0.45674
	TUM	0.0017	0.2697	-	-	0.0166	0.0605	0.0536	-	0.4021
	% diff.	19.8	9.3	-	-	27.2	0.0	27.6	-	12.0
LB1804	TUM	0.0077	1.2082	0.0040	-	0.0212	0.0018	1.1103	0.0004	2.35360
	AE	0.0077	1.1892	0.0040	-	0.0214	0.0017	1.0905	0.0004	2.3149
	% diff.	0.0	1.6	0.0	-	-0.9	5.6	1.8	0.0	1.6
LB1805	TUM	0.0025	0.2803	0.0001	-	0.6976	-	-	0.0418	1.0223
	AE	0.0022	0.2723	0.0001	-	0.6764	-	-	0.0406	0.9916
	% diff.	12.0	2.9	0.0	-	3.0	-	-	2.9	3.0
LB1806	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1807	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1808	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1809	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1811	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1812	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1814	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1816	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1817	PL	-	0.3471	-	-	0.0382	0.0599	3.0506	-	3.4958
	TUM	-	0.3317	-	-	0.0255	0.0587	3.0505	-	3.4664
	% diff.	-	4.4	-	-	33.2	2.0	0.0	-	0.8
LB1818	PL	0.0014	0.0446	-	-	0.0002	0.0353	0.0437	0.0089	0.1341
	TUM	0.0018	0.0420	-	-	0.0004	0.0347	0.0478	0.0078	0.1345
	% diff.	-28.6	5.8	-	-	-100.0	1.7	-9.4	12.4	-0.3
LB1819	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1820	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 OS47-OS49.

LabCode		Sample OS48							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1821	PL	-	0.6097	-	-	0.0436	-	0.2085	-	0.8618
	TUM	-	0.2312	-	-	0.0138	-	0.1007	-	0.3457
	% diff.	-	62.1	-	-	68.3	-	51.7	-	59.9
LB1827	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1828	PL	0.0424	0.7160	-	0.0003	1.0334	0.1001	0.0485	0.0003	1.9410
	TUM	0.0371	0.5272	-	0.0002	0.8874	0.0915	0.0424	0.0003	1.5861
	% diff.	12.5	26.4	-	33.3	14.1	8.6	12.6	0.0	18.3
LB1829	PL	-	0.0139	-	-	0.0764	-	0.0008	-	0.0911
	TUM	-	0.0067	-	-	0.0450	-	0.0007	-	0.0524
	% diff.	-	51.8	-	-	41.1	-	12.5	-	42.5
LB1830	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1831	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1832	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1833	PL	-	0.7315	0.0477	-	0.0005	-	0.0103	0.7387	1.5287
	TUM	-	0.7881	0.0449	-	0.0003	-	0.0097	0.7382	1.5812
	% diff.	-	-7.7	5.9	-	40.0	-	5.8	0.1	-3.4
LB1834	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1835	PL	0.0003	0.9630	0.0479	-	-	-	0.0253	0.0001	1.0366
	TUM	0.0002	0.7874	0.0312	-	-	-	0.0217	0.0001	0.8406
	% diff.	33.3	18.2	34.9	-	-	-	14.2	0.0	18.9
LB1836	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1837	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1838	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1839	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1840	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1841	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1842	PL	0.2601	0.8862	-	-	0.0097	0.2512	0.0180	4.2447	5.6699
	TUM	0.2929	1.3478	-	-	0.0097	0.3222	0.0189	5.0088	7.0003
	% diff.	-12.6	-52.1	-	-	0.0	-28.3	-5.0	-18.0	-23.5

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 OS47-OS49.

		Sample OS49								
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1802	PL	-	0.0953	-	-	-	-	-	-	0.0953
	TUM	-	0.1133	-	-	-	-	-	-	0.1133
	% diff.	-	-18.9	-	-	-	-	-	-	-18.9
LB1803	PL	0.01256	0.21982	-	-	0.06013	0.00956	1.59394	-	1.89601
	TUM	0.0109	0.1806	-	-	0.0443	0.0072	1.6423	-	1.8853
	% diff.	13.2	17.8	-	-	26.3	24.7	-3.0	-	0.6
LB1804	TUM	0.1347	1.8033	0.0008	0.0013	0.5566	0.8582	1.0270	0.2147	4.59660
	AE	0.1398	1.8091	0.0008	0.0013	0.5555	0.8613	1.0488	0.2163	4.6329
	% diff.	-3.8	-0.3	0.0	0.0	0.2	-0.4	-2.1	-0.7	-0.8
LB1805	TUM	0.0281	0.1448	-	-	0.6128	-	0.0564	-	0.84210
	AE	0.0264	0.1342	-	-	0.6005	-	0.0531	-	0.8142
	% diff.	6.0	7.3	-	-	2.0	-	5.9	-	3.3
LB1806	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1807	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1808	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1809	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1811	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1812	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1814	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1816	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1817	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1818	PL	0.0231	0.1207	-	-	-	-	-	-	0.1438
	TUM	0.0196	0.0837	-	-	-	-	-	-	0.1033
	% diff.	15.2	30.7	-	-	-	-	-	-	28.2
LB1819	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1820	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 OS47-OS49.

		Sample OS49								
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1821	PL	-	0.0050	-	-	-	-	0.0001	-	0.0051
	TUM	-	0.0029	-	-	-	-	0.0001	-	0.0030
	% diff.	-	42.0	-	-	-	-	0.0	-	41.2
LB1827	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1828	PL	0.0011	0.0594	-	-	0.0001	0.0237	0.0648	0.0902	0.2393
	TUM	0.0007	0.0471	-	-	0.0003	0.0220	0.0415	0.0662	0.1778
	% diff.	36.4	20.7	-	-	-200.0	7.2	36.0	26.6	25.7
LB1829	PL	-	0.9516	0.1154	-	0.0026	-	3.6539	-	4.7235
	TUM	-	0.2682	0.0668	-	0.0013	-	0.3795	-	0.7158
	% diff.	-	71.8	42.1	-	50.0	-	89.6	-	84.8
LB1830	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1831	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1832	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1833	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1834	PL	0.0425	3.2282	2.3058	-	-	-	0.0377	0.1671	5.78130
	TUM	0.0258	1.8979	1.5970	-	-	-	0.0172	0.0135	3.5514
	% diff.	39.3	41.2	30.7	-	-	-	54.4	91.9	38.6
LB1835	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1836	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1837	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1838	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1839	PL	-	-	-	-	-	-	-	-	0.0000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1840	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1841	PL	-	-	-	-	-	-	-	-	0.00000
	TUM	-	-	-	-	-	-	-	-	0.0000
	% diff.	-	-	-	-	-	-	-	-	-
LB1842	PL	-	0.1206	-	-	-	0.5852	0.0936	0.0639	0.86330
	TUM	-	0.1475	-	-	-	0.7322	0.0962	0.0808	1.0567
	% diff.	-	-22.3	-	-	-	-25.1	-2.8	-26.4	-22.4

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 (OS) exercises 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			NMBAQC/NMMP																						
Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	%	Remedial Action	Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	Target	Flag	Target	Lab.	Flag	Sample Flag																								
LB1802 OS47	5	3.0 - 7.0	PASS	0	0.0	-	2	40.0	Review	8	6.0 - 10.0	PASS	0	0.0	-	1.3463	1.0339 - 1.5509	PASS	90.0	87.50	Fail	Fail-Poor																							
LB1802 OS48	13	12.0 - 16.0	PASS	1	7.1	-	0	0.0	-	49	45.9 - 56.1	PASS	2	3.9	-	4.1365	2.4468 - 3.6702	Fail	90.0	90.00	PASS	Pass-Acceptable																							
LB1802 OS49	1	-1.0 - 3.0	PASS	0	0.0	-	0	0.0	-	1	-1.0 - 3.0	PASS	0	0.0	-	0.0953	0.0906 - 0.1360	PASS	90.0	100.00	PASS	Pass-Excellent																							
LB1803 OS47	34	31.5 - 38.5	PASS	0	0.0	-	0	0.0	-	213	189.9 - 232.1	PASS	1	0.5	-	1.7342	1.1854 - 1.7780	PASS	90.0	98.82	PASS	Pass-Good																							
LB1803 OS48	22	19.8 - 24.2	PASS	0	0.0	-	3	13.6	-	72	63.9 - 78.1	PASS	0	0.0	-	0.4567	0.3217 - 0.4825	PASS	90.0	90.91	PASS	Pass-Acceptable																							
LB1803 OS49	32	32.4 - 39.6	Fail	2	5.6	-	5	14.7	-	102	95.4 - 116.6	PASS	4	3.8	-	1.8960	1.5082 - 2.2624	PASS	90.0	91.87	PASS	Pass-Acceptable																							
LB1804 OS47	97	87.3 - 106.7	PASS	0	0.0	-	0	0.0	-	1256	1134.9 - 1387.1	PASS	0	0.0	-	97.8363	76.4988 - 114.7482	PASS	90.0	99.80	PASS	Pass-Good																							
LB1804 OS48	108	97.2 - 118.8	PASS	0	0.0	-	0	0.0	-	1001	915.3 - 1118.7	PASS	0	0.0	-	2.3536	1.8519 - 2.7779	PASS	90.0	99.21	PASS	Pass-Good																							
LB1804 OS49	181	162.0 - 198.0	PASS	1	0.6	-	0	0.0	-	3254	2926.8 - 3577.2	PASS	9	0.3	-	4.5966	3.7063 - 5.5595	PASS	90.0	99.75	PASS	Pass-Good																							
LB1805 OS47	56	48.6 - 59.4	PASS	2	3.7	-	1	1.9	-	77	66.6 - 81.4	PASS	3	4.1	-	1.7913	1.3845 - 2.0767	PASS	90.0	98.01	PASS	Pass-Good																							
LB1805 OS48	9	7.0 - 11.0	PASS	0	0.0	-	0	0.0	-	10	8.0 - 12.0	PASS	0	0.0	-	1.0223	0.7933 - 1.1899	PASS	90.0	100.00	PASS	Pass-Excellent																							
LB1805 OS49	8	7.0 - 11.0	PASS	0	0.0	-	0	0.0	-	11	10.0 - 14.0	PASS	0	0.0	-	0.8421	0.6514 - 0.9770	PASS	90.0	95.65	PASS	Pass-Good																							
LB1806 OS47	64	57.6 - 70.4	PASS	0	0.0	-	3	4.7	-	641	577.8 - 706.2	PASS	1	0.2	-	-	-	-	90.0	98.83	PASS	Pass-Good																							
LB1806 OS48	71	64.8 - 79.2	PASS	0	0.0	-	4	5.6	-	719	643.5 - 786.5	PASS	0	0.0	-	-	-	-	90.0	98.33	PASS	Pass-Good																							
LB1806 OS49	38	34.2 - 41.8	PASS	0	0.0	-	2	5.3	-	136	121.5 - 148.5	PASS	0	0.0	-	-	-	-	90.0	95.94	PASS	Pass-Good																							
LB1807 OS47	29	27.9 - 34.1	PASS	2	6.5	-	0	0.0	-	59	56.7 - 69.3	PASS	4	6.3	-	-	-	-	90.0	96.00	PASS	Pass-Good																							
LB1807 OS48	23	20.7 - 25.3	PASS	0	0.0	-	0	0.0	-	170	153.0 - 187.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent																							
LB1807 OS49	17	18.0 - 22.0	Fail	3	15.0	-	0	0.0	-	59	54.0 - 66.0	PASS	1	1.7	-	-	-	-	90.0	97.52	PASS	Pass-Good																							
LB1808 OS47	6	4.0 - 8.0	PASS	0	0.0	-	0	0.0	-	500	451.8 - 552.2	PASS	1	0.2	-	-	-	-	90.0	99.80	PASS	Pass-Good																							
LB1808 OS48	47	43.2 - 52.8	PASS	0	0.0	-	1	2.1	-	372	333.0 - 407.0	PASS	0	0.0	-	-	-	-	90.0	95.69	PASS	Pass-Good																							
LB1808 OS49	37	33.3 - 40.7	PASS	0	0.0	-	0	0.0	-	132	118.8 - 145.2	PASS	1	0.8	-	-	-	-	90.0	96.99	PASS	Pass-Good																							
LB1809 OS47	27	24.3 - 29.7	PASS	0	0.0	-	0	0.0	-	88	79.2 - 96.8	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent																							
LB1809 OS48	36	31.5 - 38.5	PASS	0	0.0	-	1	2.9	-	79	71.1 - 86.9	PASS	0	0.0	-	-	-	-	90.0	98.73	PASS	Pass-Good																							
LB1809 OS49	39	35.1 - 42.9	PASS	0	0.0	-	0	0.0	-	68	61.2 - 74.8	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent																							
LB1811 OS47	61	55.8 - 68.2	PASS	0	0.0	-	3	4.8	-	233	210.6 - 257.4	PASS	0	0.0	-	-	-	-	90.0	95.60	PASS	Pass-Good																							
LB1811 OS48	61	55.8 - 68.2	PASS	0	0.0	-	2	3.2	-	348	312.3 - 381.7	PASS	0	0.0	-	-	-	-	90.0	97.31	PASS	Pass-Good																							
LB1811 OS49	72	63.9 - 78.1	PASS	0	0.0	-	1	1.4	-	314	280.8 - 343.2	PASS	0	0.0	-	-	-	-	90.0	99.05	PASS	Pass-Good																							
LB1812 OS47	20	18.9 - 23.1	PASS	0	0.0	-	1	4.8	-	252	225.0 - 275.0	PASS	0	0.0	-	-	-	-	90.0	96.41	PASS	Pass-Good																							
LB1812 OS48	16	15.0 - 19.0	PASS	0	0.0	-	1	5.9	-	175	157.5 - 192.5	PASS	0	0.0	-	-	-	-	90.0	96.57	PASS	Pass-Good																							
LB1812 OS49	18	17.0 - 21.0	PASS	1	5.3	-	0	0.0	-	253	223.2 - 272.8	PASS	1	0.4	-	-	-	-	90.0	98.60	PASS	Pass-Good																							
LB1814 OS47	19	17.0 - 21.0	PASS	0	0.0	-	0	0.0	-	38	34.2 - 41.8	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent																							
LB1814 OS48	21	18.9 - 23.1	PASS	0	0.0	-	1	4.8	-	214	192.6 - 235.4	PASS	0	0.0	-	-	-	-	90.0	99.53	PASS	Pass-Good																							
LB1814 OS49	11	9.0 - 13.0	PASS	0	0.0	-	0	0.0	-	31	27.9 - 34.1	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent																							
LB1816 OS47	12	10.0 - 14.0	PASS	0	0.0	-	0	0.0	-	30	27.0 - 33.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent																							
LB1816 OS48	10	8.0 - 12.0	PASS	0	0.0	-	-	-	-	27	23.4 - 28.6	PASS	0	0.0	-	-	-	-	90.0	98.18	PASS	Pass-Good																							
LB1816 OS49	11	9.0 - 13.0	PASS	0	0.0	-	0	0.0	-	53	47.7 - 58.3	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent																							
LB1817 OS47	22	21.6 - 26.4	PASS	1	4.2	-	2	8.7	-	45	43.2 - 52.8	PASS	1	2.1	-	0.1711	0.1135 - 0.1703	Fail	90.0	93.75	PASS	Pass-Acceptable																							
LB1817 OS48	20	18.0 - 22.0	PASS	0	0.0	-	1	5.0	-	36	32.4 - 39.6	PASS	0	0.0	-	3.4958	2.7731 - 4.1597	PASS	90.0	94.74	PASS	Pass-Acceptable																							
LB1817 OS49	18	16.0 - 20.0	PASS	0	0.0	-	0	0.0	-	60	54.0 - 66.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent																							
LB1818 OS47	16	14.0 - 18.0	PASS	0	0.0	-	2	12.5	-	21	18.9 - 23.1	PASS	0	0.0	-	2.5566	1.8838 - 2.8258	PASS	90.0	93.02	PASS	Pass-Acceptable																							
LB1818 OS48	28	24.3 - 29.7	PASS	0	0.0	-	1	3.7	-	49	43.2 - 52.8	PASS	0	0.0	-	0.1341	0.1076 - 0.1614	PASS	90.0	92.78	PASS	Pass-Acceptable																							
LB1818 OS49	3	1.0 - 5.0	PASS	1	33.3	-	0	0.0	-	3	2.0 - 6.0	PASS	1	25.0	-	0.1438	0.0826 - 0.1240	Fail	90.0	100.00	PASS	Pass-Excellent																							
LB1819 OS47	5	3.0 - 7.0	PASS	0	0.0	-	0	0.0	-	9	7.0 - 11.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent																							
LB1819 OS48	3	1.0 - 5.0	PASS	0	0.0	-	0	0.0	-	8	6.0 - 10.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent																							
LB1819 OS49	9	7.0 - 11.0	PASS	0	0.0	-	1	11.1	-	34	30.6 - 37.4	PASS	0	0.0	-	-	-	-	90.0	97.22	PASS	Pass-Good																							
LB1820 OS47	14	12.0 - 16.0	PASS	0	0.0	-	0	0.0	-	801	713.7 - 872.3	PASS	0	0.0	-	-	-	-	90.0	98.87	PASS	Pass-Good																							
LB1820 OS48	14	13.0 - 17.0	PASS	0	0.0	-	0	0.0	-	966	859.5 - 1050.5	PASS	0	0.0	-	-	-	-	90.0	99.32	PASS	Pass-Good																							
LB1820 OS49	11	10.0 - 14.0	PASS	0	0.0	-	1	8.3	-	768	688.5 - 841.5	PASS	0	0.0	-	-	-	-	90.0	98.50	PASS	Pass-Good																							
LB1821 OS47	11	10.0 - 14.0	PASS	0	0.0	-	1	8.3	-	51	47.7 - 58.3	PASS	2	3.8	-	3.8711	2.2685 - 3.4027	Fail	90.0	96.15	PASS	Pass-Good																							
LB1821 OS48	7	6.0 - 10.0	PASS	1	12.5	-	0	0.0	-	14	13.0 - 17.0	PASS	1	6.7	-	0.8618	0.2766 - 0.4148	Fail	90.0	96.55	PASS	Pass-Good																							
LB1821 OS49	2	.0 - 4.0	PASS	0	0.0	-	0	0.0	-	2	.0 - 4.0	PASS	0	0.0	-	0.0051	0.0024 - 0.0036	Fail	90.0	100.00	PASS	Pass-Excellent																							

Table 5. Summary of the performance of participating laboratories in the Own Sample (OS) exercises 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
	Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	%	Remedial Action	Lab.	Target	Flag	Missed	% Missed	Remedial Action	Lab.	Target	Flag	Target	Lab.	Flag	Sample Flag
LB1827 OS47	6	4.0 - 8.0	PASS	0	0.0	-	0	0.0	-	115	103.5 - 126.5	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1827 OS48	16	14.0 - 18.0	PASS	0	0.0	-	0	0.0	-	109	98.1 - 119.9	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1827 OS49	27	24.3 - 29.7	PASS	0	0.0	-	1	3.7	-	114	103.5 - 126.5	PASS	1	0.9	-	-	-	-	90.0	97.82	PASS	Pass-Good
LB1828 OS47	41	39.6 - 48.4	PASS	4	9.1	-	0	0.0	-	98	96.3 - 117.7	PASS	10	9.3	-	0.4396	0.3450 - 0.5174	PASS	90.0	92.75	PASS	Pass-Acceptable
LB1828 OS48	25	24.3 - 29.7	PASS	2	7.4	-	0	0.0	-	40	41.4 - 50.6	Fail	5	10.9	-	1.9410	1.2689 - 1.9033	Fail	90.0	90.91	PASS	Pass-Acceptable
LB1828 OS49	28	27.9 - 34.1	PASS	4	12.9	-	1	3.7	-	43	42.3 - 51.7	PASS	5	10.6	-	0.2393	0.1422 - 0.2134	Fail	90.0	91.11	PASS	Pass-Acceptable
LB1829 OS47	9	6.0 - 10.0	PASS	0	0.0	-	1	12.5	-	54	51.3 - 62.7	PASS	4	7.0	-	0.1744	0.0948 - 0.1422	Fail	90.0	90.09	PASS	Pass-Acceptable
LB1829 OS48	12	10.0 - 14.0	PASS	0	0.0	-	2	16.7	Review	40	39.6 - 48.4	PASS	3	6.8	Review	0.0911	0.0419 - 0.0629	Fail	90.0	85.71	Fail	Fail-Poor
LB1829 OS49	17	15.0 - 19.0	PASS	0	0.0	-	3	17.6	-	280	246.6 - 301.4	PASS	1	0.4	-	4.7235	0.5726 - 0.8590	Fail	90.0	91.56	PASS	Pass-Acceptable
LB1830 OS47	24	23.4 - 28.6	PASS	2	7.7	-	2	8.3	-	75	71.1 - 86.9	PASS	6	7.6	-	-	-	-	90.0	93.50	PASS	Pass-Acceptable
LB1830 OS48	18	18.0 - 22.0	PASS	1	5.0	-	6	31.6	Reprocess	140	105.3 - 128.7	Fail	1	0.9	-	-	-	-	90.0	88.72	Fail	Fail-Poor
LB1830 OS49	18	21.6 - 26.4	Fail	5	20.8	Reprocess	0	0.0	-	80	78.3 - 95.7	PASS	7	8.0	Review	-	-	-	90.0	86.23	Fail	Fail-Poor
LB1831 OS47	31	29.7 - 36.3	PASS	2	6.1	-	2	6.5	-	234	217.8 - 266.2	PASS	7	2.9	-	-	-	-	90.0	95.85	PASS	Pass-Good
LB1831 OS48	76	68.4 - 83.6	PASS	0	0.0	-	0	0.0	-	1501	1355.4 - 1656.6	PASS	11	0.7	-	-	-	-	90.0	98.71	PASS	Pass-Good
LB1831 OS49	6	4.0 - 8.0	PASS	0	0.0	-	0	0.0	-	10	10.0 - 14.0	PASS	2	16.7	-	-	-	-	90.0	92.31	PASS	Pass-Acceptable
LB1832 OS47	140	128.7 - 157.3	PASS	0	0.0	-	9	6.3	-	7260	6293.7 - 7692.3	PASS	114	1.6	-	-	-	-	90.0	96.52	PASS	Pass-Good
LB1832 OS48	140	127.8 - 156.2	PASS	0	0.0	-	11	7.7	-	5239	4611.6 - 5636.4	PASS	16	0.3	-	-	-	-	90.0	97.96	PASS	Pass-Good
LB1832 OS49	19	17.0 - 21.0	PASS	0	0.0	-	0	0.0	-	809	702.9 - 859.1	PASS	2	0.3	-	-	-	-	90.0	98.11	PASS	Pass-Good
LB1833 OS47	39	35.1 - 42.9	PASS	0	0.0	-	2	5.1	-	650	556.2 - 679.8	PASS	2	0.3	-	-	-	-	90.0	97.32	PASS	Pass-Good
LB1833 OS48	24	22.5 - 27.5	PASS	1	4.0	-	5	20.8	-	979	937.8 - 1146.2	PASS	62	6.0	-	1.5287	1.2650 - 1.8974	PASS	90.0	96.19	PASS	Pass-Good
LB1833 OS49	63	56.7 - 69.3	PASS	0	0.0	-	3	4.8	-	288	257.4 - 314.6	PASS	1	0.3	-	-	-	-	90.0	99.65	PASS	Pass-Good
LB1834 OS47	23	21.6 - 26.4	PASS	0	0.0	-	2	8.3	-	911	804.6 - 983.4	PASS	0	0.0	-	0.7127	0.5909 - 0.8863	PASS	90.0	97.28	PASS	Pass-Good
LB1834 OS48	9	8.0 - 12.0	PASS	1	10.0	-	0	0.0	-	1081	980.1 - 1197.9	PASS	7	0.6	-	-	-	-	90.0	99.54	PASS	Pass-Good
LB1834 OS49	29	26.1 - 31.9	PASS	1	3.4	-	0	0.0	-	9048	8149.5 - 9960.5	PASS	3	0.0	-	5.7813	2.8411 - 4.2617	Fail	90.0	100.00	PASS	Pass-Excellent
LB1835 OS47	37	36.9 - 45.1	PASS	3	7.3	-	0	0.0	-	13320	12147.3 - 14846.7	PASS	12	0.1	-	14.1877	7.3545 - 11.0317	Fail	90.0	98.64	PASS	Pass-Good
LB1835 OS48	21	18.9 - 23.1	PASS	3	14.3	-	0	0.0	-	468	421.2 - 514.8	PASS	0	0.0	-	1.0366	0.6725 - 1.0087	Fail	90.0	100.00	PASS	Pass-Excellent
LB1835 OS49	37	33.3 - 40.7	PASS	0	0.0	-	0	0.0	-	311	269.1 - 328.9	PASS	0	0.0	-	-	-	-	90.0	98.68	PASS	Pass-Good
LB1836 OS47	70	63.0 - 77.0	PASS	0	0.0	-	0	0.0	-	257	225.0 - 275.0	PASS	7	2.8	-	-	-	-	90.0	98.62	PASS	Pass-Good
LB1836 OS48	36	32.4 - 39.6	PASS	0	0.0	-	0	0.0	-	321	288.0 - 352.0	PASS	0	0.0	-	-	-	-	90.0	99.84	PASS	Pass-Good
LB1836 OS49	48	43.2 - 52.8	PASS	1	2.1	-	0	0.0	-	1242	1123.2 - 1372.8	PASS	3	0.2	-	-	-	-	90.0	99.60	PASS	Pass-Good
LB1837 OS47	16	13.0 - 17.0	PASS	1	6.7	-	0	0.0	-	810	729.0 - 891.0	PASS	3	0.4	-	-	-	-	90.0	99.63	PASS	Pass-Good
LB1837 OS48	19	17.0 - 21.0	PASS	0	0.0	-	0	0.0	-	584	528.3 - 645.7	PASS	0	0.0	-	-	-	-	90.0	99.74	PASS	Pass-Good
LB1837 OS49	13	11.0 - 15.0	PASS	0	0.0	-	0	0.0	-	432	388.8 - 475.2	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1838 OS47	12	10.0 - 14.0	PASS	0	0.0	-	0	0.0	-	725	668.7 - 817.3	PASS	0	0.0	-	-	-	-	90.0	98.77	PASS	Pass-Good
LB1838 OS48	13	11.0 - 15.0	PASS	0	0.0	-	0	0.0	-	43	38.7 - 47.3	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1838 OS49	18	16.0 - 20.0	PASS	0	0.0	-	0	0.0	-	801	718.2 - 877.8	PASS	0	0.0	-	-	-	-	90.0	99.81	PASS	Pass-Good
LB1839 OS47	70	63.0 - 77.0	PASS	0	0.0	-	0	0.0	-	874	788.4 - 963.6	PASS	1	0.1	-	-	-	-	90.0	99.77	PASS	Pass-Good
LB1839 OS48	17	15.0 - 19.0	PASS	0	0.0	-	0	0.0	-	111	99.9 - 122.1	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1839 OS49	8	6.0 - 10.0	PASS	0	0.0	-	0	0.0	-	18	16.0 - 20.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1840 OS47	9	7.0 - 11.0	PASS	0	0.0	-	0	0.0	-	9	7.0 - 11.0	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1840 OS48	14	12.0 - 16.0	PASS	0	0.0	-	0	0.0	-	33	29.7 - 36.3	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1840 OS49	19	17.0 - 21.0	PASS	0	0.0	-	0	0.0	-	241	216.9 - 265.1	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1841 OS47	19	17.0 - 21.0	PASS	0	0.0	-	0	0.0	-	229	208.8 - 255.2	PASS	0	0.0	-	-	-	-	90.0	98.92	PASS	Pass-Good
LB1841 OS48	65	60.3 - 73.7	PASS	1	1.5	-	3	4.5	-	290	262.8 - 321.2	PASS	1	0.3	-	-	-	-	90.0	97.25	PASS	Pass-Good
LB1841 OS49	13	11.0 - 15.0	PASS	0	0.0	-	0	0.0	-	45	40.5 - 49.5	PASS	0	0.0	-	-	-	-	90.0	100.00	PASS	Pass-Excellent
LB1842 OS47	8	5.0 - 9.0	PASS	0	0.0	-	0	0.0	-	696	624.6 - 763.4	PASS	1	0.1	-	5.8047	6.8262 - 10.2394	Fail	90.0	99.71	PASS	Pass-Good
LB1842 OS48	28	25.2 - 30.8	PASS	0	0.0	-	0	0.0	-	78	70.2 - 85.8	PASS	0	0.0	-	5.6699	5.6002 - 8.4004	PASS	90.0	100.00	PASS	Pass-Excellent
LB1842 OS49	18	16.0 - 20.0	PASS	0	0.0	-	0	0.0	-	59	53.1 - 64.9	PASS	0	0.0	-	0.8633	0.8454 - 1.2680	PASS	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 2011/12 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
	In Total	837	173	83

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 18 (2011/12). Only participants subscribing to the Yr18 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	
LB1802	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	
LB1803	-	-	-	-	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	
LB1804	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	
LB1805	-	-	-	-	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	
LB1806	-	-	-	-	95.75	92.56	96.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1807	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88.89	43.32	83.72
LB1808	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1809	-	-	-	-	-	-	-	95.08	53.66	60.42	-	-	-	-	-	-	84.32	100	80.31	-	-	-	
LB1811	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1812	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92.68	91.36	93.63	98.66	96.44	92.46	
LB1816	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1817	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1818	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1819	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1821	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1829	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1831	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1832	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1833	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1834	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1836	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1839	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1840	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LB1842	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Key: Yellow shaded cells = 'Fail' flag; no record of subsequent remedial action.
 Green shaded cells = Remedial action successfully completed.
 Pink shaded cells = Data changed following external review.
 Red text = no sample residue supplied (excluded from statistics).
 "(data)"= Remedial action Extra Own Sample data due to initial non-submission (excluded from statistics).
 -= no data / not participating.

Table 7. Comparison of each laboratory's performance in the Own Sample exercises from Scheme year 02 (1995/96) to Scheme year 18 (2011/12). Only participants subscribing to the Yr18 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
LB1802	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
LB1803	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
LB1804	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
LB1805	98.11	100	100	100	100	96.3	100	80.00	100	96.07	100	100	97.41	93.33	100	94.96	100	98.63	100.00	95.83	100.00	100.00	97.30	100.00
LB1806	-	-	-	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
LB1807	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
LB1808	-	-	-	-	-	-	-	-	-	-	-	-	n/d	n/d	n/d	n/a	n/a	n/a	96.11	80.71	94.51	95.09	98.97	94.92
LB1809	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
LB1811	-	-	-	-	-	-	-	-	-	-	-	-	94.56	96.99	91.72	96.34	95.14	95.10	80.21	92.74	87.94	95.44	89.77	97.71
LB1812	-	-	-	-	-	-	-	-	-	-	-	-	96.86	96.55	89.82	88.74	95.79	70.42	84.65	93.53	97.30	99.80	96.67	98.15
LB1814	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
LB1816	-	-	-	-	-	-	100	97.97	100	97.5	100	100	-	-	-	99.75	99.84	100.00	n/a	n/a	n/a	100.00	100.00	100.00
LB1817	-	-	-	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
LB1818	-	-	-	-	-	-	(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
LB1819	-	-	-	-	-	-	-	-	-	-	-	-	66.67	99.35	81.34	97.00	71.55	97.70	86.96	99.45	100.00	100.00	99.03	90.00
LB1820	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1821	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.84	81.48	88.89
LB1827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.81	100.00	99.44
LB1828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98.57	96.88	93.10
LB1829	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.74	89.80	94.821	93.57	97.56	98.04
LB1830	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72.82	53.60	69.32	77.74	52.56	50.00	-	-	-
LB1831	-	-	-	-	-	-	-	-	-	-	-	-	98.69	96.53	96.34	99.70	95.29	92.09	100.00	97.53	92.95	94.80	98.40	97.73
LB1832	-	-	-	-	-	-	-	-	-	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
LB1833	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.58	99.70	99.87
LB1834	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.19	98.54	98.91
LB1835	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	96.27	96.45	98.52
LB1836	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95.83	96.97	100.00
LB1837	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.00	96.01	98.37
LB1838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.70	99.77	99.77
LB1839	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99.53	99.51	99.56
LB1840	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100.00	100.00	67.51
LB1841	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90.74	78.38	97.44	95.96	90.49	97.11	95.72	82.22	86.60
LB1842	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Key: Yellow shaded cells = 'Fail' flag; no record of subsequent remedial action.
 Green shaded cells = Remedial action successfully completed.
 Pink shaded cells = Data changed following external review.
 Red text = no sample residue supplied (excluded from statistics).
 "(data)"= Remedial action Extra Own Sample data due to initial non-submission (excluded from statistics).
 - = no data / not participating.

Table 7. Comparison of each laboratory's performance in the Own Sample exercises from Scheme year 02 (1995/96) to Scheme year 18 (2011/12). Only participants subscribing to the Yr18 OS Component shown.

LabCode	Scheme Year 18		
	OS47	OS48	OS49
LB1802	87.50	90.00	100.00
LB1803	98.82	90.91	91.87
LB1804	99.80	99.21	99.75
LB1805	98.01	100.00	95.65
LB1806	98.83	98.33	95.94
LB1807	96.00	100.00	97.52
LB1808	99.80	95.69	96.99
LB1809	100.00	98.73	100.00
LB1811	95.60	97.31	99.05
LB1812	96.41	96.57	98.60
LB1814	100.00	99.53	100.00
LB1816	100.00	98.18	100.00
LB1817	93.75	94.74	100.00
LB1818	93.02	92.78	100.00
LB1819	100.00	100.00	97.22
LB1820	98.87	99.32	98.50
LB1821	96.15	96.55	100.00
LB1827	100.00	100.00	97.82
LB1828	92.75	90.91	91.11
LB1829	90.09	85.71	91.56
LB1830	93.50	88.72	86.23
LB1831	95.85	98.71	92.31
LB1832	96.52	97.96	98.11
LB1833	97.32	96.19	99.65
LB1834	97.28	99.54	99.96
LB1835	98.64	100.00	98.68
LB1836	98.62	99.84	99.60
LB1837	99.63	99.74	100.00
LB1838	98.77	100.00	99.81
LB1839	99.77	100.00	100.00
LB1840	100.00	100.00	100.00
LB1841	98.92	97.25	100.00
LB1842	99.71	100.00	100.00

Key: Yellow shaded cells = 'Fail' flag; no record of subsequent remedial action.
 Green shaded cells = Remedial action successfully completed.
 Pink shaded cells = Data changed following external review.
 Red text = no sample residue supplied (excluded from statistics).
 "(data)"= Remedial action Extra Own Sample data due to initial non-submission (excluded from statistics).
 - = no data / not participating.