



**The National Marine Biological  
Analytical Quality Control Scheme**

**Own Sample Module  
Summary Report  
OS38, 39 & 40**

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## **MODULE / EXERCISE DETAILS**

**Module: Own Sample (OS)**

**Exercises: OS38, OS39 & OS40**

**Targeted CSEMP Samples: 2007**

**Data/Sample Request Circulated – 31/07/2008**

**Sample Submission Deadline – 28/11/2008**

**Number of Subscribing Laboratories – 34**

**Number of Own Samples Received – 91**

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Table 1. Results from the analysis of Own Samples (OS38 to OS40) 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	Number of Taxa				Number of Individuals				Not extracted			Count	Similarity	Taxonomic	Note
	PL	UM	Diff (n)	%max	PL	UM	Diff (n)	%max	NewTaxa	Ind	%ind	Error	index	Errors	
LB1501 OS38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1501 OS39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1501 OS40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1502 OS38	84	84	0	0.0	259	288	-29	10.1	0	3	1.0	-26	94.96	0	External audit
LB1502 OS39	29	29	0	0.0	32	32	0	0.0	0	0	0.0	0	100	0	External audit
LB1502 OS40	10	9	1	10.0	37	36	1	2.7	0	0	0.0	1	98.63	0	External audit
LB1503 OS38	108	108	0	0.0	3547	3528	19	0.5	0	3	0.1	22	99.51	0	External audit
LB1503 OS39	113	114	-1	0.9	3487	3503	-16	0.5	7	1	0.0	-15	99.66	0	External audit
LB1503 OS40	27	27	0	0.0	556	552	4	0.7	0	1	0.2	5	99.46	0	External audit
LB1504 OS38	4	4	0	0.0	77	77	0	0.0	0	0	0.0	0	100.00	0	No biomass data
LB1504 OS39	48	51	-3	5.9	296	312	-16	5.1	2	16	5.1	0	96.05	4	No biomass data
LB1504 OS40	37	45	-8	17.8	130	137	-7	5.1	6	7	5.1	0	92.99	2	No biomass data
LB1505 OS38	74	74	0	0.0	473	471	2	0.4	0	1	0.2	3	94.08	5	No biomass data
LB1505 OS39	29	28	1	3.4	375	379	-4	1.1	0	1	0.3	-3	99.35	1	-
LB1505 OS40	12	12	0	0.0	187	238	-51	21.4	0	52	21.8	1	88.00	0	No biomass data; Remedial action recommended
LB1506 OS38	73	82	-9	11.0	408	433	-25	5.8	6	26	6.0	1	92.25	10	-
LB1506 OS39	46	47	-1	2.1	139	147	-8	5.4	1	1	0.7	-7	94.28	2	-
LB1506 OS40	8	8	0	0.0	16	16	0	0.0	0	0	0.0	0	93.75	1	-
LB1507 OS38	18	19	-1	5.3	58	67	-9	13.4	1	9	13.4	0	86.40	1	Remedial action completed 23/06/10
LB1507 OS39	22	24	-2	8.3	64	70	-6	8.6	0	5	7.1	-1	88.06	2	Remedial action completed 07/06/10
LB1507 OS40	32	40	-8	20.0	110	129	-19	14.7	7	17	13.2	-2	82.99	5	Remedial action completed 25/06/10
LB1508 OS38	43	52	-9	17.3	130	141	-11	7.8	9	13	9.2	2	93.86	0	No biomass data
LB1508 OS39	8	9	-1	11.1	219	221	-2	0.9	1	2	0.9	0	99.55	0	No biomass data
LB1508 OS40	14	18	-4	22.2	250	250	0	0.0	4	2	0.8	2	87.87	1	No biomass data; Remedial action recommended
LB1509 OS38	16	16	0	0.0	402	402	0	0.0	0	0	0.0	0	99.75	1	No biomass data
LB1509 OS39	34	34	0	0.0	605	607	-2	0.3	0	2	0.3	0	99.84	0	No biomass data
LB1509 OS40	11	11	0	0.0	90	90	0	0.0	0	0	0.0	0	100	0	No biomass data
LB1510 OS38	29	29	0	0.0	82	82	0	0.0	0	0	0.0	0	96.34	1	No biomass data
LB1510 OS39	36	36	0	0.0	91	90	1	1.1	0	0	0.0	1	95.14	1	No biomass data
LB1510 OS40	26	26	0	0.0	281	268	13	4.6	0	4	1.5	17	95.10	3	No biomass data
LB1511 OS38	42	49	-7	14.3	91	104	-13	12.5	8	32	30.8	19	72.82	6	No biomass data; Remedial action completed 18/12/09
LB1511 OS39	45	61	-16	26.2	89	161	-72	44.7	13	74	46.0	2	53.60	10	No biomass data; Remedial action completed 18/12/09
LB1511 OS40	46	59	-13	22.0	103	148	-45	30.4	11	47	31.8	2	69.32	11	No biomass data; Remedial action completed 18/12/09
LB1512 OS38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1512 OS39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1512 OS40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1513 OS38	30	30	0	0.0	261	263	-2	0.8	0	2	0.8	0	99.62	0	No biomass data
LB1513 OS39	21	22	-1	4.5	137	138	-1	0.7	1	1	0.7	0	99.64	0	No biomass data
LB1513 OS40	40	40	0	0.0	315	315	0	0.0	0	0	0.0	0	99.68	0	No biomass data
LB1514 OS38	64	72	-8	11.1	277	272	5	1.8	4	10	3.7	15	80.21	14	No biomass data; Remedial action completed 15/02/10
LB1514 OS39	7	8	-1	12.5	953	958	-5	0.5	1	5	0.5	0	99.74	0	No biomass data
LB1514 OS40	13	14	-1	7.1	123	130	-7	5.4	1	7	5.4	0	87.75	1	No biomass data; Remedial action completed 11/02/10
LB1515 OS38	4	5	-1	20.0	7	9	-2	22.2	1	2	22.2	0	87.50	0	Remedial action completed 17/12/09
LB1515 OS39	14	14	0	0.0	669	686	-17	2.5	0	25	3.6	8	98.60	0	-
LB1515 OS40	15	16	-1	6.3	1517	1538	-21	1.4	0	34	2.2	13	99.18	1	-
LB1517 OS38	13	13	0	0.0	336	338	-2	0.6	0	2	0.6	0	99.70	0	No biomass data; 2nd report following Cerastoderma review.
LB1517 OS39	34	37	-3	8.1	392	390	2	0.5	3	12	3.1	14	95.29	3	No biomass data
LB1517 OS40	9	9	0	0.0	100	115	-15	13.0	0	17	14.8	2	92.09	0	No biomass data
LB1518 OS38	4	4	0	0.0	550	547	3	0.5	0	0	0.0	3	99.73	0	-
LB1518 OS39	86	91	-5	5.5	1495	1664	-169	10.2	4	162	9.7	-7	93.38	5	-
LB1518 OS40	19	19	0	0.0	409	406	3	0.7	0	0	0.0	3	99.63	0	External audit
LB1519 OS38	10	11	-1	9.1	32	35	-3	8.6	1	3	8.6	0	95.52	0	No biomass data
LB1519 OS39	14	14	0	0.0	66	71	-5	7.0	0	7	9.9	2	91.97	1	No biomass data
LB1519 OS40	20	21	-1	4.8	55	57	-2	3.5	1	3	5.3	1	88.50	2	No biomass data; Remedial action completed 15/09/09
LB1520 OS38	13	15	-2	13.3	54	61	-7	11.5	1	7	11.5	0	92.17	1	-
LB1520 OS39	31	34	-3	8.8	162	175	-13	7.4	4	11	6.3	-2	89.02	5	Remedial action completed 30/09/09
LB1520 OS40	7	7	0	0.0	18	18	0	0.0	0	0	0.0	0	94.74	1	-
LB1522 OS38	14	14	0	0.0	81	83	-2	2.4	0	2	2.4	0	98.78	0	No biomass data
LB1522 OS39	19	19	0	0.0	67	72	-5	6.9	1	6	8.3	1	93.62	1	No biomass data
LB1522 OS40	31	37	-6	16.2	93	103	-10	9.7	6	11	10.7	1	87.31	2	No biomass data; Remedial action completed 11/11/09
LB1523 OS38	43	50	-7	14.0	275	290	-15	5.2	6	20	6.9	5	89.20	7	No biomass data; Remedial action completed 14/01/10
LB1523 OS39	33	36	-3	8.3	198	198	0	0.0	1	3	1.5	3	95.96	4	No biomass data
LB1523 OS40	13	15	-2	13.3	47	55	-8	14.5	2	9	16.4	1	88.24	2	No biomass data; Remedial action completed 14/01/10

Table 1. Results from the analysis of Own Samples (OS38 to OS40) supplied by the participating laboratories and re-analysis by Unicomarine Ltd.

1 LabCode	2 Number of Taxa				3 Number of Individuals				4 Not extracted			5 Count Error	6 Similarity index	7 Taxonomic Errors	8 Note
	9 PL	10 UM	11 Diff (n)	12 %max	13 PL	14 UM	15 Diff (n)	16 %max	17 NewTaxa	18 Ind	19 %ind				
LB1524 OS38	32	32	0	0.0	212	219	-7	3.2	1	10	4.6	3	97.00	4	No biomass data
LB1524 OS39	43	49	-6	12.2	179	187	-8	4.3	4	13	7.0	5	71.55	10	No biomass data; Remedial action completed 09/02/10
LB1524 OS40	19	21	-2	9.5	753	725	28	3.7	0	3	0.4	31	97.70	2	No biomass data
LB1525 OS38	37	42	-5	11.9	242	287	-45	15.7	5	47	16.4	2	90.74	1	No biomass data
LB1525 OS39	27	42	-15	35.7	88	134	-46	34.3	14	47	35.1	1	78.38	1	No biomass data; Remedial action recommended.
LB1525 OS40	28	29	-1	3.4	58	59	-1	1.7	1	2	3.4	1	95.73	1	No biomass data
LB1527 OS38	48	49	-1	2.0	283	291	-8	2.7	1	7	2.4	-1	98.26	1	-
LB1527 OS39	31	33	-2	6.1	56	60	-4	6.7	2	4	6.7	0	94.83	1	-
LB1527 OS40	44	46	-2	4.3	151	153	-2	1.3	2	2	1.3	0	96.05	2	-
LB1528 OS38	3	3	0	0.0	14	14	0	0.0	0	0	0.0	0	100	0	-
LB1528 OS39	17	20	-3	15.0	291	293	-2	0.7	2	2	0.7	0	98.81	0	Epifaunal subsampling ineffective
LB1528 OS40	22	22	0	0.0	46	47	-1	2.1	0	1	2.1	0	99.01	0	-
LB1529 OS38	6	6	0	0.0	6	6	0	0.0	0	0	0.0	0	87.50	1	No biomass data; Remedial action completed 28/10/09
LB1529 OS39	23	23	0	0.0	416	422	-6	1.4	0	2	0.5	-4	98.81	0	No biomass data.
LB1529 OS40	17	18	-1	5.6	416	450	-34	7.6	1	25	5.6	0	95.84	0	No biomass data
LB1530 OS38	8	9	-1	11.1	683	725	-42	5.8	1	44	6.1	2	96.88	0	No biomass data.
LB1530 OS39	32	32	0	0.0	231	230	1	0.4	0	0	0.0	1	99.79	0	External audit
LB1530 OS40	21	21	0	0.0	1138	1134	4	0.4	0	0	0.0	4	99.74	0	External audit
LB1531 OS38	11	11	0	0.0	44	45	-1	2.2	0	1	2.2	0	98.88	0	No biomass data.
LB1531 OS39	-	-	-	-	-	-	-	-	-	-	-	-	0	-	Fauna & residue unavailable for audit (disposed); deemed fail; remedial action required
LB1531 OS40	-	-	-	-	-	-	-	-	-	-	-	-	0	-	Fauna & residue unavailable for audit (disposed); deemed fail; remedial action required
LB1532 OS38	10	11	-1	9.1	156	161	-5	3.1	1	4	2.5	-1	97.16	0	-
LB1532 OS39	15	17	-2	11.8	1005	1067	-62	5.8	2	60	5.6	-2	96.14	0	No biomass data
LB1532 OS40	56	57	-1	1.8	645	635	10	1.6	1	2	0.3	12	98.91	0	External audit
LB1533 OS38	51	61	-10	16.4	1209	1296	-87	6.7	10	83	6.4	-4	96.05	1	No biomass data
LB1533 OS39	38	40	-2	5.0	229	231	-2	0.9	0	5	2.2	3	97.26	2	No biomass data
LB1533 OS40	11	11	0	0.0	934	1035	-101	9.8	0	117	11.3	16	94.36	0	Biomass data in mg?
LB1534 OS38	14	13	1	7.1	287	326	-39	12.0	0	42	12.9	3	92.01	1	No biomass data
LB1534 OS39	26	27	-1	3.7	1263	1331	-68	5.1	1	69	5.2	1	97.22	2	No biomass data
LB1534 OS40	4	4	0	0.0	15	15	0	0.0	0	1	6.7	1	100.00	0	Biomass data in mg?
LB1535 OS38	9	12	-3	25.0	65	62	3	4.6	3	5	8.1	8	85.27	0	No biomass data; Remedial action completed 12/10/09.
LB1535 OS39	9	10	-1	10.0	124	98	26	21.0	1	4	4.1	30	81.98	0	No biomass data; Remedial action completed 12/10/09.
LB1535 OS40	4	4	0	0.0	4	4	0	0.0	0	0	0.0	0	75.00	1	No biomass data; Remedial action completed 12/10/09.
LB1536 OS38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1536 OS39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1536 OS40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LB1537 OS38	22	22	0	0.0	65	68	-3	4.4	0	4	5.9	1	90.23	2	Partial WW biomass to 5 decimal places
LB1537 OS39	14	15	-1	6.7	51	64	-13	20.3	2	14	21.9	1	86.96	0	Partial WW biomass to 5 decimal places; Method review will be implemented for Yr16 OS
LB1537 OS40	10	10	0	0.0	37	45	-8	17.8	0	8	17.8	0	87.81	1	Partial WW biomass to 5 decimal places; Method review will be implemented for Yr16 OS

Key: PL - participating laboratory  
 UM - 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 (OS38-40).**

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1501	UM count	-	-	-	-	-	-	-	-	0
OS38	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1501	UM count	-	-	-	-	-	-	-	-	0
OS39	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1501	UM count	-	-	-	-	-	-	-	-	0
OS40	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1502	AE count	8	174	9	1	28	15	22	31	288
OS38	UM missed	0	3	0	0	0	0	0	0	3
	%missed	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.0
LB1502	AE count	-	19	-	1	4	4	4	-	32
OS39	UM missed	-	0	-	0	0	0	0	-	0
	%missed	-	0.0	-	0.0	0.0	0.0	0.0	-	0.0
LB1502	AE count	-	29	4	-	3	-	-	-	36
OS40	UM missed	-	0	0	-	0	-	-	-	0
	%missed	-	0.0	0.0	-	0.0	-	-	-	0.0
LB1503	AE count	5	1575	6	-	633	22	1165	-	3406
OS38	UM missed	0	2	0	-	0	0	1	-	3
	%missed	0.0	0.1	0.0	-	0.0	0.0	0.1	-	0.1
LB1503	AE count	2	471	300	2	2147	60	395	126	3503
OS39	UM missed	0	0	0	0	1	0	6	0	7
	%missed	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.2
LB1503	AE count	-	303	143	-	10	-	74	22	552
OS40	UM missed	-	0	0	-	0	-	1	0	1
	%missed	-	0.0	0.0	-	0.0	-	1.4	0.0	0.2
LB1504	UM count	-	75	1	-	-	-	1	-	77
OS38	PL missed	-	0	0	-	-	-	0	-	0
	%missed	-	0.0	0.0	-	-	-	0.0	-	0.0
LB1504	UM count	-	216	27	-	7	2	47	13	312
OS39	PL missed	-	3	1	-	0	0	4	8	16
	%missed	-	1.4	3.7	-	0.0	0.0	8.5	61.5	5.1
LB1504	UM count	7	70	24	-	11	-	8	17	137
OS40	PL missed	0	1	1	-	2	-	3	0	7
	%missed	0.0	1.4	4.2	-	18.2	-	37.5	0.0	5.1
LB1505	UM count	2	205	-	-	62	99	89	14	471
OS38	PL missed	0	1	-	-	0	0	0	0	1
	%missed	0.0	0.5	-	-	0.0	0.0	0.0	0.0	0.2
LB1505	UM count	-	181	1	-	-	7	181	9	379
OS39	PL missed	-	1	0	-	-	0	0	0	1
	%missed	-	0.6	0.0	-	-	0.0	0.0	0.0	0.3
LB1505	UM count	-	80	3	-	12	-	108	35	238
OS40	PL missed	-	1	0	-	0	-	48	3	52
	%missed	-	1.3	0.0	-	0.0	-	44.4	8.6	21.8
LB1506	UM count	16	228	-	-	46	15	85	43	433
OS38	PL missed	0	3	-	-	1	0	16	6	26
	%missed	0.0	1.3	-	-	2.2	0.0	18.8	14.0	6.0
LB1506	UM count	4	44	-	-	9	39	28	23	147
OS39	PL missed	0	0	-	-	0	0	0	1	1
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	4.3	0.7
LB1506	UM count	-	10	-	-	-	-	4	2	16
OS40	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 (OS38-40).**

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1507	UM count	1	27	-	-	1	1	37	-	67
OS38	PL missed	0	4	-	-	0	0	5	-	9
	%missed	0.0	14.8	-	-	0.0	0.0	13.5	-	13.4
LB1507	UM count	1	42	2	-	-	8	15	2	70
OS39	PL missed	0	0	0	-	-	1	3	1	5
	%missed	0.0	0.0	0.0	-	-	12.5	20.0	50.0	7.1
LB1507	UM count	-	85	-	-	9	12	22	1	129
OS40	PL missed	-	3	-	-	8	0	6	0	17
	%missed	-	3.5	-	-	88.9	0.0	27.3	0.0	13.2
LB1508	UM count	2	96	6	-	14	1	10	12	141
OS38	PL missed	0	1	1	-	7	0	2	2	13
	%missed	0.0	1.0	16.7	-	50.0	0.0	20.0	16.7	9.2
LB1508	UM count	7	208	-	-	1	-	-	5	221
OS39	PL missed	0	0	-	-	0	-	-	2	2
	%missed	0.0	0.0	-	-	0.0	-	-	40.0	0.9
LB1508	UM count	1	147	-	-	79	5	1	17	250
OS40	PL missed	0	0	-	-	1	0	1	0	2
	%missed	0.0	0.0	-	-	1.3	0.0	100.0	0.0	0.8
LB1509	UM count	-	342	-	-	1	1	57	1	402
OS38	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1509	UM count	17	435	-	-	11	16	127	-	606
OS39	PL missed	0	0	-	-	0	2	0	-	2
	%missed	0.0	0.0	-	-	0.0	12.5	0.0	-	0.3
LB1509	UM count	-	58	-	-	1	-	31	-	90
OS40	PL missed	-	0	-	-	0	-	0	-	0
	%missed	-	0.0	-	-	0.0	-	0.0	-	0.0
LB1510	UM count	2	57	-	-	5	1	11	6	82
OS38	PL missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1510	UM count	-	42	-	-	8	3	36	1	90
OS39	PL missed	-	0	-	-	0	0	0	0	0
	%missed	-	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1510	UM count	-	177	-	-	73	3	14	1	268
OS40	PL missed	-	0	-	-	2	0	2	0	4
	%missed	-	0.0	-	-	2.7	0.0	14.3	0.0	1.5
LB1511	UM count	1	36	-	-	22	5	24	17	105
OS38	PL missed	1	4	-	-	7	0	15	5	32
	%missed	100.0	11.1	-	-	31.8	0.0	62.5	29.4	30.5
LB1511	UM count	1	42	-	-	21	15	77	5	161
OS39	PL missed	1	1	-	-	2	0	68	2	74
	%missed	100.0	2.4	-	-	9.5	0.0	88.3	40.0	46.0
LB1511	UM count	-	45	-	-	25	14	57	7	148
OS40	PL missed	-	5	-	-	2	0	39	1	47
	%missed	-	11.1	-	-	8.0	0.0	68.4	14.3	31.8
LB1512	UM count	-	-	-	-	-	-	-	-	0
OS38	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1512	UM count	-	-	-	-	-	-	-	-	0
OS39	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1512	UM count	-	-	-	-	-	-	-	-	0
OS40	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1513	UM count	2	75	-	-	2	119	63	2	263
OS38	PL missed	0	2	-	-	0	0	0	0	2
	%missed	0.0	2.7	-	-	0.0	0.0	0.0	0.0	0.8
LB1513	UM count	-	18	-	-	6	88	22	4	138
OS39	PL missed	-	0	-	-	0	0	1	0	1
	%missed	-	0.0	-	-	0.0	0.0	4.5	0.0	0.7
LB1513	UM count	-	-	-	-	-	-	-	-	0
OS40	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-

**Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS38-40).**

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1514	UM count	2	109	-	1	14	28	103	15	272
OS38	PL missed	0	7	-	0	0	1	2	0	10
	%missed	0.0	6.4	-	0.0	0.0	3.6	1.9	0.0	3.7
LB1514	UM count	-	948	-	1	5	-	-	4	958
OS39	PL missed	-	5	-	0	0	-	-	0	5
	%missed	-	0.5	-	0.0	0.0	-	-	0.0	0.5
LB1514	UM count	-	19	-	-	-	5	105	1	130
OS40	PL missed	-	0	-	-	-	0	7	0	7
	%missed	-	0.0	-	-	-	0.0	6.7	0.0	5.4
LB1515	UM count	-	5	1	-	2	-	-	1	9
OS38	PL missed	-	1	0	-	0	-	-	1	2
	%missed	-	20.0	0.0	-	0.0	-	-	100.0	22.2
LB1515	UM count	-	565	67	-	11	-	14	29	686
OS39	PL missed	-	18	4	-	0	-	0	3	25
	%missed	-	3.2	6.0	-	0.0	-	0.0	10.3	3.6
LB1515	UM count	-	1409	93	1	2	-	12	21	1538
OS40	PL missed	-	20	9	0	0	-	1	4	34
	%missed	-	1.4	9.7	0.0	0.0	-	8.3	19.0	2.2
LB1517	UM count	-	109	27	-	189	-	13	-	338
OS38	PL missed	-	1	0	-	0	-	1	-	2
	%missed	-	0.9	0.0	-	0.0	-	7.7	-	0.6
LB1517	UM count	-	315	4	-	50	-	13	8	390
OS39	PL missed	-	2	1	-	3	-	6	0	12
	%missed	-	0.6	25.0	-	6.0	-	46.2	0.0	3.1
LB1517	UM count	-	15	59	-	2	-	39	-	115
OS40	PL missed	-	1	2	-	0	-	14	-	17
	%missed	-	6.7	3.4	-	0.0	-	35.9	-	14.8
LB1518	UM count	-	17	530	-	-	-	-	-	547
OS38	PL missed	-	0	0	-	-	-	-	-	0
	%missed	-	0.0	0.0	-	-	-	-	-	0.0
LB1518	UM count	37	1180	27	1	184	6	202	27	1664
OS39	PL missed	5	95	3	0	21	3	24	11	162
	%missed	13.5	8.1	11.1	0.0	11.4	50.0	11.9	40.7	9.7
LB1518	AE count	-	36	35	-	7	-	324	4	406
OS40	UM missed	-	0	0	-	0	-	0	0	0
	%missed	-	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1519	UM count	4	22	-	-	3	2	4	-	35
OS38	PL missed	0	1	-	-	0	2	0	-	3
	%missed	0.0	4.5	-	-	0.0	100.0	0.0	-	8.6
LB1519	UM count	4	16	9	-	-	-	10	32	71
OS39	PL missed	0	3	0	-	-	-	0	4	7
	%missed	0.0	18.8	0.0	-	-	-	0.0	12.5	9.9
LB1519	UM count	2	15	7	-	6	-	10	17	57
OS40	PL missed	0	0	0	-	0	-	0	3	3
	%missed	0.0	0.0	0.0	-	0.0	-	0.0	17.6	5.3

**Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS38-40).**

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1520	UM count	-	18	-	-	7	1	35	-	61
OS38	PL missed	-	2	-	-	0	0	5	-	7
	%missed	-	11.1	-	-	0.0	0.0	14.3	-	11.5
LB1520	UM count	-	23	-	-	18	64	67	3	175
OS39	PL missed	-	1	-	-	1	0	8	1	11
	%missed	-	4.3	-	-	5.6	0.0	11.9	33.3	6.3
LB1520	UM count	-	6	-	-	12	-	-	-	18
OS40	PL missed	-	0	-	-	0	-	-	-	0
	%missed	-	0.0	-	-	0.0	-	-	-	0.0
LB1522	UM count	3	32	-	-	-	-	39	9	83
OS38	PL missed	1	0	-	-	-	-	1	0	2
	%missed	33.3	0.0	-	-	-	-	2.6	0.0	2.4
LB1522	UM count	4	52	1	-	-	-	15	-	72
OS39	PL missed	0	4	0	-	-	-	2	-	6
	%missed	0.0	7.7	0.0	-	-	-	13.3	-	8.3
LB1522	UM count	7	43	-	-	2	-	46	5	103
OS40	PL missed	2	5	-	-	0	-	2	2	11
	%missed	28.6	11.6	-	-	0.0	-	4.3	40.0	10.7
LB1523	UM count	16	97	-	-	9	2	124	42	290
OS38	PL missed	4	2	-	-	4	1	7	2	20
	%missed	25.0	2.1	-	-	44.4	50.0	5.6	4.8	6.9
LB1523	UM count	3	98	-	-	7	1	84	5	198
OS39	PL missed	0	2	-	-	0	0	1	0	3
	%missed	0.0	2.0	-	-	0.0	0.0	1.2	0.0	1.5
LB1523	UM count	-	43	-	-	2	-	9	1	55
OS40	PL missed	-	6	-	-	0	-	3	0	9
	%missed	-	14.0	-	-	0.0	-	33.3	0.0	16.4
LB1524	UM count	-	156	-	-	1	2	56	4	219
OS38	PL missed	-	2	-	-	0	0	8	0	10
	%missed	-	1.3	-	-	0.0	0.0	14.3	0.0	4.6
LB1524	UM count	7	160	-	-	7	3	7	3	187
OS39	PL missed	0	8	-	-	2	0	3	0	13
	%missed	0.0	5.0	-	-	28.6	0.0	42.9	0.0	7.0
LB1524	UM count	-	714	9	-	-	-	1	1	725
OS40	PL missed	-	3	0	-	-	-	0	0	3
	%missed	-	0.4	0.0	-	-	-	0.0	0.0	0.4
LB1525	UM count	1	213	8	-	19	33	8	5	287
OS38	PL missed	0	23	8	-	2	11	3	0	47
	%missed	0.0	10.8	100.0	-	10.5	33.3	37.5	0.0	16.4
LB1525	UM count	12	75	1	-	28	11	6	1	134
OS39	PL missed	2	23	1	-	7	9	4	1	47
	%missed	16.7	30.7	100.0	-	25.0	81.8	66.7	100.0	35.1
LB1525	UM count	1	33	-	-	3	1	20	1	59
OS40	PL missed	1	1	-	-	0	1	0	0	3
	%missed	100.0	3.0	-	-	0.0	100.0	0.0	0.0	5.1
LB1527	UM count	18	160	2	-	24	63	24	-	291
OS38	PL missed	0	2	0	-	2	1	2	-	7
	%missed	0.0	1.3	0.0	-	8.3	1.6	8.3	-	2.4
LB1527	UM count	1	35	-	-	7	6	10	1	60
OS39	PL missed	0	0	-	-	1	0	2	1	4
	%missed	0.0	0.0	-	-	14.3	0.0	20.0	100.0	6.7
LB1527	UM count	9	124	-	-	4	1	15	-	153
OS40	PL missed	0	0	-	-	0	0	2	-	2
	%missed	0.0	0.0	-	-	0.0	0.0	13.3	-	1.3



**Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS38-40).**

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1528	UM count	-	11	-	-	-	-	3	-	14
OS38	PL missed	-	0	-	-	-	-	0	-	0
	%missed	-	0.0	-	-	-	-	0.0	-	0.0
LB1528	UM count	-	266	-	-	4	18	4	1	293
OS39	PL missed	-	1	-	-	0	0	1	0	2
	%missed	-	0.4	-	-	0.0	0.0	25.0	0.0	0.7
LB1528	UM count	2	37	-	-	6	-	-	2	47
OS40	PL missed	0	1	-	-	0	-	-	0	1
	%missed	0.0	2.7	-	-	0.0	-	-	0.0	2.1
LB1529	UM count	-	5	-	-	1	-	-	-	6
OS38	PL missed	-	0	-	-	0	-	-	-	0
	%missed	-	0.0	-	-	0.0	-	-	-	0.0
LB1529	UM count	-	341	58	-	3	-	20	-	422
OS39	PL missed	-	1	1	-	0	-	0	-	2
	%missed	-	0.3	1.7	-	0.0	-	0.0	-	0.5
LB1529	UM count	-	82	1	-	157	-	8	202	450
OS40	PL missed	-	7	0	-	0	-	1	17	25
	%missed	-	8.5	0.0	-	0.0	-	12.5	8.4	5.6
LB1530	UM count	-	30	666	-	14	-	-	15	725
OS38	PL missed	-	2	29	-	0	-	-	13	44
	%missed	-	6.7	4.4	-	0.0	-	-	86.7	6.1
LB1530	AE count	5	27	-	-	3	81	112	2	230
OS39	UM missed	0	0	-	-	0	0	0	0	0
	%missed	0.0	0.0	-	-	0.0	0.0	0.0	0.0	0.0
LB1530	AE count	1	918	155	-	1	-	4	55	1134
OS40	UM missed	0	0	0	-	0	-	0	0	0
	%missed	0.0	0.0	0.0	-	0.0	-	0.0	0.0	0.0
LB1531	UM count	-	3	11	-	12	-	11	8	45
OS38	PL missed	-	0	0	-	0	-	1	0	1
	%missed	-	0.0	0.0	-	0.0	-	9.1	0.0	2.2
LB1531	UM count	-	-	-	-	-	-	-	-	0
OS39	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1531	UM count	-	-	-	-	-	-	-	-	0
OS40	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1532	UM count	-	69	4	-	55	-	30	3	161
OS38	PL missed	-	3	0	-	0	-	1	0	4
	%missed	-	4.3	0.0	-	0.0	-	3.3	0.0	2.5
LB1532	UM count	-	290	393	-	38	-	326	20	1067
OS39	PL missed	-	5	17	-	0	-	18	20	60
	%missed	-	1.7	4.3	-	0.0	-	5.5	100.0	5.6
LB1532	AE count	19	465	-	-	13	12	113	13	635
OS40	UM missed	0	0	-	-	0	0	1	1	2
	%missed	0.0	0.0	-	-	0.0	0.0	0.9	7.7	0.3
LB1533	UM count	-	924	1	3	240	1	116	11	1296
OS38	PL missed	-	17	0	0	11	0	44	11	83
	%missed	-	1.8	0.0	0.0	4.6	0.0	37.9	100.0	6.4
LB1533	UM count	1	41	-	-	3	3	183	-	231
OS39	PL missed	0	0	-	-	0	0	5	-	5
	%missed	0.0	0.0	-	-	0.0	0.0	2.7	-	2.2
LB1533	UM count	-	581	18	-	1	-	435	-	1035
OS40	PL missed	-	70	4	-	0	-	43	-	117
	%missed	-	12.0	22.2	-	0.0	-	9.9	-	11.3

**Table 2. Comparison of the efficiency of extraction of fauna by the participating laboratories for the major taxonomic groups present in Own Samples (OS38-40).**

LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1534	UM count	-	77	4	-	224	-	21	-	326
OS38	PL missed	-	3	0	-	35	-	4	-	42
	%missed	-	3.9	0.0	-	15.6	-	19.0	-	12.9
LB1534	UM count	-	1144	155	-	5	-	20	7	1331
OS39	PL missed	-	53	7	-	0	-	9	0	69
	%missed	-	4.6	4.5	-	0.0	-	45.0	0.0	5.2
LB1534	UM count	-	-	-	-	14	-	1	-	15
OS40	PL missed	-	-	-	-	0	-	1	-	1
	%missed	-	-	-	-	0.0	-	100.0	-	6.7
LB1535	UM count	-	51	1	-	-	-	10	-	62
OS38	PL missed	-	4	0	-	-	-	1	-	5
	%missed	-	7.8	0.0	-	-	-	10.0	-	8.1
LB1535	UM count	-	11	77	-	2	-	7	1	98
OS39	PL missed	-	0	3	-	0	-	0	1	4
	%missed	-	0.0	3.9	-	0.0	-	0.0	100.0	4.1
LB1535	UM count	-	2	-	-	2	-	-	-	4
OS40	PL missed	-	0	-	-	0	-	-	-	0
	%missed	-	0.0	-	-	0.0	-	-	-	0.0
LB1536	UM count	-	-	-	-	-	-	-	-	0
OS38	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1536	UM count	-	-	-	-	-	-	-	-	0
OS39	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1536	UM count	-	-	-	-	-	-	-	-	0
OS40	PL missed	-	-	-	-	-	-	-	-	0
	%missed	-	-	-	-	-	-	-	-	-
LB1537	UM count	2	32	-	-	1	4	28	1	68
OS38	PL missed	0	0	-	-	0	0	4	0	4
	%missed	0.0	0.0	-	-	0.0	0.0	14.3	0.0	5.9
LB1537	UM count	-	16	-	-	17	4	27	-	64
OS39	PL missed	-	0	-	-	4	0	10	-	14
	%missed	-	0.0	-	-	23.5	0.0	37.0	-	21.9
LB1537	UM count	-	7	-	-	10	-	1	27	45
OS40	PL missed	-	0	-	-	0	-	0	8	8
	%missed	-	0.0	-	-	0.0	-	0.0	29.6	17.8

Key: PL - participating laboratory

UM - Unicomarine Ltd.

AE- Aquatic Environments (External Auditor)

"-" - No data.

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS38 - 40) (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other
LB1502	OS38	0	-	-	-	-	-	-
LB1502	OS39	0	-	-	-	-	-	-
LB1502	OS40	0	-	-	-	-	-	-
LB1503	OS38	0	-	-	-	-	-	-
LB1503	OS39	0	-	-	-	-	-	-
LB1503	OS40	0	-	-	-	-	-	-
LB1504	OS38	0	-	-	-	-	-	-
LB1504	OS39	4	<i>Syllis</i> sp. H ( <i>S. cornuta</i> ) <i>Opisthodonta pterochaeta</i> (O. sp. A) <i>Aglaophalmus rubella</i> ( <i>Nephtys</i> spp. juv.)	-	<i>Gouldia minima</i> ( <i>Dosinia lupinus</i> )	-	-	-
LB1504	OS40	2	<i>Chaetozone vivipara</i> / <i>C. zelandica</i> ( <i>C. gibber</i> )	-	-	<i>Monocorophium sextonae?</i> ( <i>Corophium</i> spp.)	-	-
LB1505	OS38	5	<i>Pholoe assimilis</i> ( <i>P. inornata</i> ) <i>Chone</i> sp. ( <i>Jasmineira</i> spp.)	-	<i>Retusa umbilicata</i> ( <i>Cylichna alba</i> )	Apseudidae ( <i>A. spinosus</i> )	Amphiriuridae juv. ( <i>Ophiocten affinis</i> )	-
LB1505	OS39	1	-	-	-	-	-	<i>Conopeum reticulatum</i> ( <i>Electra monostachys</i> )
LB1505	OS40	0	-	-	-	-	-	-
LB1506	OS38	10	<i>Eumida sanguinea</i> ( <i>E. bahusensis</i> ) <i>Mediomastus fragilis</i> ( <i>Capitella</i> ) <i>Melinna elisabethae</i> ( <i>M. palmata</i> )	-	<i>Falcidens crossonus</i> ( <i>Chaetoderma nitidulum</i> ) Rissoidae ( <i>Odotomia</i> sp. juv.) <i>Nucula nucleus</i> ( <i>N. nitidosa</i> )	Copepoda ( <i>Nebalia typhlops</i> ) <i>Ampelisca typica</i> ( <i>A. diadema</i> )	<i>Ophiothrix fragilis</i> ( <i>Amphiuira filiformis</i> )	<i>Nephasoma minutum</i> ( <i>Phascolion strombus</i> )
LB1506	OS39	2	-	-	-	<i>Harpinia antennaria</i> ( <i>H. pectinata</i> )	-	<i>Bougainvillidae</i> ( <i>Leuckartiara</i> )
LB1506	OS40	1	<i>Aphelocheata</i> sp. A ( <i>A. marioni</i> )	-	-	-	-	-
LB1507	OS38	1	-	-	<i>Abra nitida</i> ( <i>A. alba</i> )	-	-	-
LB1507	OS39	2	-	-	<i>Abra nitida</i> ( <i>A. alba</i> )	-	-	<i>Goffingia elongata</i> ( <i>G. vulgaris</i> )
LB1507	OS40	5	<i>Notocirrus scooticus</i> ( <i>Lambrineris hibernica</i> ) <i>Scoloplos armiger</i> ( <i>Leitoscoloplos mammosus</i> ) <i>Anobothrus gracilis</i> ( <i>Ampharete lindstroemi</i> ) Sabellidae ( <i>Fabricia sabella</i> )	-	<i>Dosinia lupinus</i> ( <i>D. exoleta</i> )	-	-	-
LB1508	OS38	0	-	-	-	-	-	-
LB1508	OS39	0	-	-	-	-	-	-
LB1508	OS40	1	-	-	-	<i>Liljeborgia kinahani</i> ( <i>Listriella picta</i> )	-	-
LB1509	OS38	1	<i>Glycera alba</i> ( <i>G. triadactyla</i> )	-	-	-	-	-
LB1509	OS39	0	-	-	-	-	-	-
LB1509	OS40	0	-	-	-	-	-	-
LB1510	OS38	1	<i>Praxillella affinis</i> ( <i>Euclymene oerstedii</i> )	-	-	-	-	-
LB1510	OS39	1	<i>Praxillella affinis</i> ( <i>Euclymene oerstedii</i> )	-	-	-	-	-
LB1510	OS40	3	<i>Spio filicornis</i> ( <i>S. decorata</i> agg.)	-	-	<i>Leucothoe incisus</i> ( <i>L. liljeborgi</i> ) <i>Bathyporeia nana</i> ( <i>B. elegans</i> )	-	-
LB1511	OS38	6	<i>Poecilochaetus serpens</i> ( <i>Sthenelais limicola</i> ) <i>Nephtys kersivalensis</i> ( <i>N. hombergii</i> ) <i>Spiophanes bombyx</i> ( <i>S. kroyeri</i> )	-	-	<i>Synchelidium maculatum</i> ( <i>S. haplocheles</i> ) <i>Harpinia crenulata</i> ( <i>H. antennaria</i> ) <i>Tryphosites longipes</i> ( <i>Orchomene nanus</i> )	-	-
LB1511	OS39	10	<i>Nephtys kersivalensis</i> ( <i>N. hombergii</i> ) <i>Scoloplos armiger</i> ( <i>Levinsenia gracilis</i> ) <i>Scolecopsis squamata</i> #1 ( <i>S. korsumi</i> ) <i>Spiophanes bombyx</i> ( <i>S. kroyeri</i> ) <i>Tharyx killariensis</i> ( <i>Chaetozone</i> sp.) <i>Aricidea</i> sp. ( <i>Mediomastus fragilis</i> ) <i>Nephtys assimilis</i> ( <i>N. hombergii</i> )	-	-	<i>Periculous longimanus</i> ( <i>Westwoodilla caecula</i> ) <i>Harpinia crenulata</i> ( <i>H. antennaria</i> ) <i>Tanaopsis graciloides</i> ( <i>Leptognathis gracilis</i> ) <i>Chamelea striatula</i> ( <i>C. gallina</i> )	-	-
LB1511	OS40	11	<i>Chaetozone christiei</i> ( <i>Scoloplos armiger</i> ) <i>Minuspio cirrifer</i> ( <i>Prionospio fallax</i> ) <i>Ophelina cylindricaudata</i> ( <i>O. modesta</i> )	-	<i>Nucula nitidosa</i> ( <i>Ennecladia tenuis</i> ) <i>Kurtiella bidentata</i> ( <i>Abra</i> spp. juv.)	<i>Synchelidium maculatum</i> ( <i>S. haplocheles</i> ) <i>Paramphilocheoides odontonyx</i> ( <i>Gitana sarsi</i> ) <i>Harpinia antennaria</i> ( <i>H. crenulata</i> ) <i>Scopelocheirus hopei</i> ( <i>Orchomene nanus</i> )	-	<i>Phascolion strombus</i> ( <i>Onchinosoma squamatum</i> )
LB1513	OS38	0	-	-	-	-	-	-
LB1513	OS39	0	-	-	-	-	-	-
LB1513	OS40	0	-	-	-	-	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS38 - 40) (erroneous identifications in brackets).

LabCode	OS	Taxonomic Errors	Major Taxonomic Group					
			Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other
LB1514	OS38	14	<i>Gattyana cirrhosa</i> ( <i>Harmothoe</i> indet.) <i>Eumida ockelmanni</i> ? ( <i>E. bahusensis</i> ) <i>Nothria conchylega</i> ( <i>Aponuphis bilineata</i> ) <i>Myriochele danielsseni</i> ( <i>Galathowenia oculata</i> ) <i>Myriochele danielsseni</i> ( <i>Ovneia fusiformis</i> )	-	<i>Nucula nucleus</i> ( <i>N. nitidosa</i> ) <i>Abra nitida</i> ( <i>A. alba</i> ) <i>Mysia undata</i> ( <i>Arctica islandica</i> juv.) <i>Chamelea striatula</i> ( <i>C. gallina</i> )	<i>Arcyrella dilatata</i> ( <i>A. damnoniensis</i> ) <i>Diasyllis laevis</i> ( <i>D. lucifer</i> ?)	-	<i>Lovenella clausa</i> ( <i>Phialella quadrata</i> ) <i>Nephasoma minutum</i> ( <i>Golfingia</i> ) <i>Escharella immersa</i> ( <i>E. variolosa</i> )
LB1514	OS39	0	-	-	-	-	-	-
LB1514	OS40	1	<i>Aphelochaeta</i> sp. A ( <i>A. marioni</i> )	-	-	-	-	-
LB1515	OS38	0	-	-	-	-	-	-
LB1515	OS39	0	-	-	-	-	-	-
LB1515	OS40	1	-	-	<i>Scrobicularia plana</i> juv. ( <i>Macoma balthica</i> )	-	-	-
LB1517	OS38	0	-	-	-	-	-	-
LB1517	OS39	3	<i>Chaetozone gibber</i> ( <i>Tharyx</i> sp. A) <i>Euclymene oerstedii</i> ( <i>E. sp. A</i> )	-	<i>Parvicardium scabrum</i> ( <i>Cerastoderna edule</i> )	-	-	-
LB1517	OS40	0	-	-	-	-	-	-
LB1518	OS38	0	-	-	-	-	-	-
LB1518	OS39	5	-	-	<i>Nucula</i> sp. juv. ( <i>Nuculoma tenuis</i> ) <i>Musculus costulatus</i> ( <i>Modiolus</i> sp. juv.) <i>Abra nitida</i> ( <i>A. alba</i> )	<i>Eliminus modestus</i> ( <i>Balanus crenatus</i> ) <i>Dexamine spinosa</i> ( <i>Atylus guttatus</i> )	-	-
LB1518	OS40	0	-	-	-	-	-	-
LB1519	OS38	0	-	-	-	-	-	-
LB1519	OS39	1	-	-	<i>Abra alba</i> ( <i>A. nitida</i> )	-	-	-
LB1519	OS40	2	-	-	<i>Abra nitida</i> ( <i>A. alba</i> ) <i>Abra alba</i> ( <i>A. nitida</i> )	-	-	-
LB1520	OS38	1	-	-	-	<i>Bathyporeia tenuipes</i> ( <i>B. elegans</i> )	-	-
LB1520	OS39	5	<i>Pholoe baltica</i> ( <i>P. inornata</i> ) <i>Glycinda nordmanni</i> ( <i>Goniada maculata</i> ) <i>Chaetozone zetlandica</i> ( <i>C. christiei</i> )	-	<i>Arctica islandica</i> juv. ( <i>Kellia suborbicularis</i> ) <i>Abra prismatica</i> ( <i>A. alba</i> )	-	-	-
LB1520	OS40	1	-	-	-	<i>Pontocrates arcticus</i> ( <i>P. arenarius</i> )	-	-
LB1522	OS38	0	-	-	-	-	-	-
LB1522	OS39	1	-	-	<i>Tubificoides insularis</i> ( <i>T. benedii</i> )	-	-	-
LB1522	OS40	2	<i>Pherusa</i> sp. ( <i>Diplocirrus glaucus</i> ) <i>Pomatoceros lamarcki</i> ( <i>P. triquetus</i> )	-	-	-	-	-
LB1523	OS38	7	<i>Eumida ockelmanni</i> ? ( <i>E. sanguinea</i> )	-	<i>Brachystomia</i> sp. ( <i>Rissoella diaphana</i> ) <i>Retusa umbilicata</i> ( <i>Cylichna cylindracea</i> ) <i>Chamelea striatula</i> ( <i>C. gallina</i> ) <i>Mya truncata</i> juv. ( <i>M. arenaria</i> ) <i>Chamelea striatula</i> ( <i>C. gallina</i> )	-	-	<i>Phascolion strombus</i> ( <i>Turritella communis</i> ) <i>Edwardsia claparedii</i> ( <i>Nudibranchia</i> )
LB1523	OS39	4	<i>Eumida ockelmanni</i> ? ( <i>E. sanguinea</i> ) <i>Cirratulus cirratus</i> ( <i>Cirriformia tenuiculata</i> )	-	<i>Chamelea striatula</i> ( <i>C. gallina</i> )	-	-	<i>Edwardsia claparedii</i> ( <i>Entoprocta</i> )
LB1523	OS40	2	<i>Glycera alba</i> ( <i>G. triadactyla</i> )	-	-	<i>Ampelisca tenuicornis</i> ( <i>A. brevicornis</i> )	-	-
LB1524	OS38	4	<i>Ophryotrocha</i> sp. ( <i>Protodorvillea kefersteinii</i> )	-	<i>Abra nitida</i> ( <i>A. alba</i> ) <i>Abra alba</i> ( <i>A. nitida</i> )	-	-	<i>Golfingia vulgaris</i> ( <i>Thysanocardia procera</i> )
LB1524	OS39	10	<i>Eurysyllis tuberculata</i> ( <i>Sphaerodoridium</i> sp.) <i>Aponuphis bilineata</i> ( <i>Nothria conchylega</i> ) <i>Cirrophorus branchianus</i> ( <i>Aricidea</i> sp.) <i>Prionospio banyulensis</i> ( <i>Prionospio fallax</i> ) <i>Galathowenia oculata</i> ( <i>Myriochele heeri</i> ) <i>Amphitene auricoma</i> ( <i>Logis koreni</i> ) <i>Jasmineira caudata</i> ( <i>Chone filicaudata</i> )	-	<i>Nucula nucleus</i> ( <i>N. sulcata</i> )	<i>Ampelisca diadema</i> ( <i>A. tenuicornis</i> )	-	<i>Golfingia vulgaris</i> ( <i>Thysanocardia procera</i> )
LB1524	OS40	2	<i>Spio filicornis</i> #1 ( <i>Malacoceeros fuliginosus</i> )	<i>Tubificoides amplivasatus</i> ( <i>T. benedii</i> )	-	-	-	-
LB1525	OS38	1	<i>Pholoe assimilis</i> ( <i>P. inornata</i> )	-	-	-	-	-
LB1525	OS39	1	<i>Pholoe assimilis</i> ( <i>P. inornata</i> )	-	-	-	-	-
LB1525	OS40	1	-	-	-	<i>Araphura brevimana</i> ( <i>Leptognathia</i> sp.)	-	-
LB1527	OS38	1	<i>Glycinda nordmanni</i> ( <i>Goniada maculata</i> )	-	-	-	-	-
LB1527	OS39	1	<i>Nothria conchylega</i> #A ( <i>Eumecidae</i> sp. juv.)	-	-	-	-	-
LB1527	OS40	2	<i>Goniada pallida</i> ( <i>G. maculata</i> )	-	<i>Abra nitida</i> ( <i>A. alba</i> )	-	-	-
LB1528	OS38	0	-	-	-	-	-	-
LB1528	OS39	0	-	-	-	-	-	-
LB1528	OS40	0	-	-	-	-	-	-

Table 3. Summary of mis-identified taxa in the Own Sample Module (OS38 - 40) (erroneous identifications in brackets).

LabCode	OS	Taxonomic	Major Taxonomic Group						
		Errors	Polychaeta	Oligochaeta	Mollusca	Crustacea	Echinodermata	Other	
LB1529	OS38	1	-	-	-	-	-	-	-
LB1529	OS39	0	-	-	-	-	-	-	<i>Electra monostachys (E. crustulenta)</i>
LB1529	OS40	0	-	-	-	-	-	-	-
LB1530	OS38	0	-	-	-	-	-	-	-
LB1530	OS39	0	-	-	-	-	-	-	-
LB1530	OS40	0	-	-	-	-	-	-	-
LB1531	OS38	0	-	-	-	-	-	-	-
LB1532	OS38	0	-	-	-	-	-	-	-
LB1532	OS39	0	-	-	-	-	-	-	-
LB1532	OS40	0	-	-	-	-	-	-	-
LB1533	OS38	1	<i>Sphaerosyllis tetralix (Exogone naidina)</i>	-	-	-	-	-	-
LB1533	OS39	2	<i>Aphelochaeta</i> sp. A ( <i>A. 'marioni'</i> )	-	-	-	-	-	<i>Amphipholis squamata (Amphiura juvs.)</i>
LB1533	OS40	0	-	-	-	-	-	-	-
LB1534	OS38	1	-	-	<i>Abra tenuis (Macoma balthica)</i>	-	-	-	-
LB1534	OS39	2	<i>Pseudopolydora pulchra (Polydora caeca A)</i>	-	-	-	-	-	-
LB1534	OS40	0	<i>Polydora ciliata</i> agg. ( <i>Polydora cornuta</i> )	-	-	-	-	-	-
LB1535	OS38	0	-	-	-	-	-	-	-
LB1535	OS39	0	-	-	-	-	-	-	-
LB1535	OS40	1	<i>Magelona filiformis (M. wilsoni)</i>	-	-	-	-	-	-
LB1537	OS38	2	<i>Glycinda nordmanni (Goniada maculata)</i>	-	-	-	-	-	-
LB1537	OS39	0	<i>Nephtys kersivalensis (N. caeca)</i>	-	-	-	-	-	-
LB1537	OS40	1	<i>Scotelepus squamata (S. bonnier)</i>	-	-	-	-	-	-
Total		151	70	2	34	28	3	14	

**Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicmarine Ltd. for the major taxonomic groups present in samples OS38-OS40.**

LabCode		Sample OS38								Overall
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	
LB1501	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1502	UM	0.0046	2.6494	0.0019	0.0003	0.0143	12.8880	1.1895	0.0023	16.7503
	AE	0.0044	2.6631	0.0017	0.0003	0.0133	11.9177	1.1686	0.0021	15.7712
	%diff.	4.3	-0.5	10.5	0.0	7.0	7.5	1.8	8.7	5.8
LB1503	UM	0.0143	12.7490	0.0063	-	0.4736	0.0285	27.5857	1.0717	41.9291
	AE	0.0122	12.7587	0.0060	-	0.4953	0.0321	27.8953	1.1073	42.3069
	%diff.	14.7	-0.1	4.8	-	-4.6	-12.6	-1.1	-3.3	-0.9
LB1504	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1505	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1506	PL	0.1192	0.94631	-	-	0.0113	0.0182	0.1480	0.0021	1.24511
	UM	0.0155	1.0762	-	-	0.0094	0.0192	0.1525	0.0016	1.2744
	%diff.	87.0	-13.7	-	-	16.8	-5.5	-3.0	23.8	-2.4
LB1507	PL	1.3098	1.6889	-	-	0.2052	0.0836	1.1554	-	4.4429
	UM	1.2842	1.5614	-	-	0.1728	0.0714	1.3930	-	4.4828
	%diff.	2.0	7.5	-	-	15.8	14.6	-20.6	-	-0.9
LB1508	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1509	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1510	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1511	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1512	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1513	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1514	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

**Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicmarine Ltd. for the major taxonomic groups present in samples OS38-OS40.**

LabCode		Sample OS38							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1515	PL	-	0.0009	0.0001	-	0.0004	-	-	-	0.0014
	UM	-	0.0012	0.0001	-	0.0005	-	-	-	0.0018
	%diff.	-	-33.3	0.0	-	-25.0	-	-	-	-28.6
LB1517	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1518	PL	-	0.7546	0.5684	-	-	-	-	-	1.3230
	UM	-	0.5533	0.3377	-	-	-	-	-	0.8910
	%diff.	-	26.7	40.6	-	-	-	-	-	32.7
LB1519	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1520	PL	-	0.0145	-	-	0.0083	0.0002	0.2152	-	0.2382
	UM	-	0.0157	-	-	0.0096	0.0003	0.2131	-	0.2387
	%diff.	-	-8.3	-	-	-15.7	-50.0	1.0	-	-0.2
LB1522	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1523	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1524	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1525	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1527	PL	0.9291	1.8720	0.0003	-	0.2032	5.0597	0.1354	-	8.1997
	UM	0.6114	0.9650	0.0002	-	0.0746	3.4757	0.1168	-	5.2437
	%diff.	34.2	48.5	33.3	-	63.3	31.3	13.7	-	36.1
LB1528	PL	-	0.0209	-	-	-	-	0.0718	-	0.0927
	UM	-	0.0191	-	-	-	-	0.0699	-	0.0890
	%diff.	-	8.6	-	-	-	-	2.6	-	4.0
LB1529	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1530	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1531	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

**Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicomarine Ltd. for the major taxonomic groups present in samples OS38-OS40.**

LabCode		Sample OS38							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1532	PL	-	0.4001	0.0001	-	0.0100	-	0.1609	0.0052	0.5763
	UM	-	0.4222	0.0001	-	0.0110	-	0.1662	0.0052	0.6047
	%diff.	-	-5.5	0.0	-	-10.0	-	-3.3	0.0	-4.9
LB1533	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1534	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1535	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1536	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1537	PL	0.00669	0.36836	-	-	0.50536	0.01503	-	0.00074	0.89618
	UM	0.0028	0.1842	-	-	0.3375	0.0053	-	0.0001	0.5299
	%diff.	58.1	50.0	-	-	33.2	64.7	-	86.5	40.9

Key: PL - participating laboratory

UM - 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 Unicmarine Ltd. for the major taxonomic groups present in samples OS38-OS40.**

LabCode		Sample OS39							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1501	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1502	UM	0.0001	0.3553	-	0.0003	0.0079	0.1952	2.6335	-	3.1923
	AE	0.0001	0.3489	-	0.0003	0.0068	0.1887	2.5003	-	3.0451
	%diff.	0.0	1.8	-	0.0	13.9	3.3	5.1	-	4.6
LB1503	UM	0.0034	3.3506	0.0581	0.0011	0.4833	0.0394	9.9785	0.0074	13.9218
	AE	0.0029	3.0385	0.0534	0.0011	0.4408	0.0399	9.9195	0.0078	13.5039
	%diff.	14.7	9.3	8.1	0.0	8.8	-1.3	0.6	-5.4	3.0
LB1504	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1505	PL	-	1.1100	0.0001	-	-	0.0144	1.4578	1.4760	4.0583
	UM	-	0.9501	0.0001	-	-	0.0104	1.2007	1.2928	3.4541
	%diff.	-	14.4	0.0	-	-	27.8	17.6	12.4	14.9
LB1506	PL	0.0353	542.6116	-	-	0.0212	0.1993	0.9397	0.0731	543.8802
	UM	0.0278	0.5430	-	-	0.0242	0.2149	0.8887	0.1410	1.8396
	%diff.	21.2	99.9	-	-	-14.2	-7.8	5.4	-92.9	99.7
LB1507	PL	0.0001	1.9834	0.0002	-	-	1.0682	0.6602	0.0044	3.7165
	UM	0.0004	0.8177	0.0002	-	-	1.1230	0.6542	0.0040	2.5995
	%diff.	-300.0	58.8	0.0	-	-	-5.1	0.9	9.1	30.1
LB1508	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1509	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1510	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1511	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1512	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1513	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1514	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

**Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicmarine Ltd. for the major taxonomic groups present in samples OS38-OS40.**

LabCode		Sample OS39								Overall
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	
LB1515	PL	-	0.2059	0.0176	-	0.0267	-	0.2240	0.0002	0.4744
	UM	-	0.1511	0.0135	-	0.0188	-	0.1569	0.0002	0.3405
	%diff.	-	26.6	23.3	-	29.6	-	30.0	0.0	28.2
LB1517	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1518	PL	0.0373	2.8396	0.0022	0.0127	0.0425	0.0012	18.4131	0.0014	21.3500
	UM	0.0325	2.6626	0.0016	0.0127	0.0323	0.0007	14.9986	0.0009	17.7419
	%diff.	12.9	6.2	27.3	0.0	24.0	41.7	18.5	35.7	16.9
LB1519	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1520	PL	-	0.0634	-	-	0.0302	0.0129	0.2703	0.0019	0.3787
	UM	-	0.0505	-	-	0.0293	0.0103	0.2667	0.0001	0.3569
	%diff.	-	20.3	-	-	3.0	20.2	1.3	94.7	5.8
LB1522	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1523	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1524	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1525	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1527	PL	0.0062	0.2444	-	-	0.0110	0.1105	0.1640	-	0.5361
	UM	0.0024	0.1610	-	-	0.0046	0.0778	0.1876	-	0.4334
	%diff.	61.3	34.1	-	-	58.2	29.6	-14.4	-	19.2
LB1528	PL	-	0.2142	-	-	0.0047	0.1912	0.0045	0.0068	0.4214
	UM	-	0.1779	-	-	0.0023	0.1876	0.0075	0.0046	0.3799
	%diff.	-	16.9	-	-	51.1	1.9	-66.7	32.4	9.8
LB1529	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1530	UM	0.0257	0.2052	-	-	0.0018	5.8396	0.4035	0.0024	6.4782
	AE	0.0241	0.1977	-	-	0.0016	5.7810	0.3916	0.0020	6.3980
	%diff.	6.2	3.7	-	-	11.1	1.0	2.9	16.7	1.2
LB1531	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

**Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicmarine Ltd. for the major taxonomic groups present in samples OS38-OS40.**

LabCode		Sample OS39							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1532	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1533	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1534	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1535	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1536	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1537	PL	-	3.10862	-	-	0.84833	-	-	-	3.95695
	UM	-	2.3443	-	-	0.5445	-	-	-	2.8888
	%diff.	-	24.6	-	-	35.8	-	-	-	27.0

Key: PL - participating laboratory  
 UM - Unicmarine 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 Unicmarine Ltd. for the major taxonomic groups present in samples OS38-OS40.**

LabCode		Sample OS40							Overall
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	
LB1501	PL	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1502	UM	-	0.2927	0.0002	-	0.2606	-	-	0.5535
	AE	-	0.3407	0.0002	-	0.2787	-	-	0.6196
	%diff.	-	-16.4	0.0	-	-6.9	-	-	-11.9
LB1503	UM	-	0.3543	0.0119	-	0.0101	-	0.0838	0.4603
	AE	-	0.3536	0.0116	-	0.0099	-	0.0789	0.4542
	%diff.	-	0.2	2.5	-	2.0	-	5.8	1.3
LB1504	PL	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1505	PL	-	-	-	-	-	-	-	0.00000
	UM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1506	PL	-	0.1433	-	-	-	-	0.0862	0.23440
	UM	-	0.1743	-	-	-	-	0.0783	0.2742
	%diff.	-	-21.6	-	-	-	-	9.2	-340.8
LB1507	PL	-	0.6776	-	-	0.0011	0.4202	1.9732	3.2215
	UM	-	0.5855	-	-	0.0008	0.3596	1.9350	3.0107
	%diff.	-	13.6	-	-	27.3	14.4	1.9	13.1
LB1508	PL	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1509	PL	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1510	PL	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1511	PL	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1512	PL	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1513	PL	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-
LB1514	PL	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-

**Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicmarine Ltd. for the major taxonomic groups present in samples OS38-OS40.**

LabCode		Sample OS40							Overall	
		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca		Other
LB1515	PL	-	0.4300	0.0203	0.0001	0.0025	-	0.3173	0.0002	0.7704
	UM	-	0.2992	0.0159	0.0001	0.0030	-	0.2307	0.0001	0.5490
	%diff.	-	30.4	21.7	0.0	-20.0	-	27.3	50.0	28.7
LB1517	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1518	UM	-	-	-	-	-	-	-	-	0.0000
	AE	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1519	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1520	PL	-	0.0214	-	-	0.0198	-	-	-	0.0412
	UM	-	0.0160	-	-	0.0129	-	-	-	0.0289
	%diff.	-	25.2	-	-	34.8	-	-	-	29.9
LB1522	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1523	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1524	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1525	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1527	PL	0.0279	1.8244	-	-	0.0074	0.0071	0.0195	-	1.8863
	UM	0.0136	0.9539	-	-	0.0035	0.0049	0.0151	-	0.9910
	%diff.	51.3	47.7	-	-	52.7	31.0	22.6	-	47.5
LB1528	PL	0.0007	0.1006	-	-	0.0435	-	-	0.4751	0.6199
	UM	0.0010	0.0863	-	-	0.0314	-	-	0.4372	0.5559
	%diff.	-42.9	14.2	-	-	27.8	-	-	8.0	10.3
LB1529	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1530	UM	0.0002	1.3016	0.2461	-	0.0001	-	0.0131	0.0110	1.5721
	AE	0.0002	1.3305	0.2405	-	0.0001	-	0.0112	0.0107	1.5932
	%diff.	0.0	-2.2	2.3	-	0.0	-	14.5	2.7	-1.3
LB1531	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-

**Table 4. Comparison of the estimates of biomass made by the participating laboratories with those made by Unicomarine Ltd. for the major taxonomic groups present in samples OS38-OS40.**

		Sample OS40								
LabCode		Nemertea	Polychaeta	Oligochaeta	Chelicerata	Crustacea	Echinodermata	Mollusca	Other	Overall
LB1532	UM	0.1209	4.9708	-	-	0.0135	0.5324	9.4518	0.0003	15.0897
	AE	0.1209	5.0982	-	-	0.0146	0.4952	9.4250	0.0003	15.1542
	%diff.	0.0	-2.6	-	-	-8.1	7.0	0.3	0.0	-0.4
LB1533	PL	-	213.4000	1.8000	-	0.2000	-	1022.7000	-	1238.1000
	UM	-	0.1638	0.0012	-	0.0003	-	0.8909	-	1.0562
	%diff.	-	99.9	99.9	-	99.9	-	99.9	-	99.9
LB1534	PL	-	-	-	-	23.3000	-	-	-	23.3000
	UM	-	-	-	-	0.0153	-	-	-	0.0153
	%diff.	-	-	-	-	99.9	-	-	-	99.9
LB1535	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1536	PL	-	-	-	-	-	-	-	-	0.0000
	UM	-	-	-	-	-	-	-	-	0.0000
	%diff.	-	-	-	-	-	-	-	-	-
LB1537	PL	-	0.29947	-	-	-	-	-	0.02554	0.32501
	UM	-	0.1798	-	-	-	-	-	0.0501	0.2299
	%diff.	-	40.0	-	-	-	-	-	-96.2	29.3

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



Table 5. Results from the Own Samples (OS38-40) 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	Estimation of Taxa				Taxonomic Errors				Estimation of Abundance				Estimation of Biomass			Similarity Index			NMBAQCS Sample Flag																											
		Target	Flag	Missed	% Missed	Remedial Action	Lab	%	Remedial Action	Lab	Target	Flag	Missed	% Missed	Remedial Action	Lab	Target	Flag	Target		Lab	Flag																									
LB1520	OS38	13	PASS	1	6.7		1	7.1		54	54.9 - 67.1	Fail	7	11.5		0.2382	0.1910 - 0.2864	PASS	90.0	92.17	PASS	Pass-Acceptable																									
LB1520	OS39	31	PASS	4	11.8	Reprocess	5	16.7	Reprocess	162	157.5 - 192.5	PASS	11	6.3	Review	0.3787	0.2855 - 0.4283	PASS	90.0	89.02	Fail	Fail-Poor																									
LB1520	OS40	7	PASS	0	0.0		1	14.3		18	16.0 - 20.0	PASS	0	0.0		0.0412	0.0231 - 0.0347	Fail	90.0	94.74	PASS	Pass-Acceptable																									
LB1522	OS38	14	PASS	0	0.0		0	0.0		81	74.7 - 91.3	PASS	2	2.4		-	-	-	90.0	98.78	PASS	Pass-Good																									
LB1522	OS39	19	PASS	1	5.3		1	5.6		67	64.8 - 79.2	PASS	6	8.3		-	-	-	90.0	93.62	PASS	Pass-Acceptable																									
LB1522	OS40	31	Fail	6	16.2	Reprocess	2	6.5	Review	93	92.7 - 113.3	PASS	11	10.7	Reprocess	-	-	-	90.0	87.31	Fail	Fail-Poor																									
LB1523	OS38	43	Fail	6	12.0	Reprocess	7	15.9	Reprocess	275	261.0 - 319.0	PASS	20	6.9	Review	-	-	-	90.0	89.20	Fail	Fail-Poor																									
LB1523	OS39	33	PASS	1	2.8		4	11.4		198	178.2 - 217.8	PASS	3	1.5		-	-	-	90.0	95.96	PASS	Pass-Good																									
LB1523	OS40	13	PASS	2	13.3	Review	2	15.4	Review	47	49.5 - 60.5	Fail	9	16.4	Reprocess	-	-	-	90.0	88.24	Fail	Fail-Poor																									
LB1524	OS38	32	PASS	1	3.1		4	12.9		212	197.1 - 240.9	PASS	10	4.6		-	-	-	90.0	97.00	PASS	Pass-Good																									
LB1524	OS39	43	Fail	4	8.2	Review	10	22.2	Reprocess	179	168.3 - 205.7	PASS	13	7.0	Review	-	-	-	90.0	71.55	Fail	Fail-Bad																									
LB1524	OS40	19	PASS	0	0.0		2	9.5		753	652.5 - 797.5	PASS	3	0.4		-	-	-	90.0	97.70	PASS	Pass-Good																									
LB1525	OS38	37	Fail	5	11.9		1	2.7		242	258.3 - 315.7	Fail	47	16.4		-	-	-	90.0	90.74	PASS	Pass-Acceptable																									
LB1525	OS39	27	Fail	14	33.3	Reprocess	1	3.6		88	120.6 - 147.4	Fail	47	35.1	Reprocess	-	-	-	90.0	78.38	Fail	Fail-Bad																									
LB1525	OS40	28	PASS	1	3.4		1	3.6		58	53.1 - 64.9	PASS	2	3.4		-	-	-	90.0	95.73	PASS	Pass-Good																									
LB1527	OS38	48	PASS	1	2.0		1	2.1		283	261.9 - 320.1	PASS	7	2.4		8.1997	4.1950 - 6.2924	Fail	90.0	98.26	PASS	Pass-Good																									
LB1527	OS39	31	PASS	2	6.1		1	3.2		56	54.0 - 66.0	PASS	4	6.7		0.5361	0.3467 - 0.5201	Fail	90.0	94.83	PASS	Pass-Acceptable																									
LB1527	OS40	44	PASS	2	4.3		2	4.5		151	137.7 - 168.3	PASS	2	1.3		1.8863	0.7928 - 1.1892	Fail	90.0	96.05	PASS	Pass-Good																									
LB1528	OS38	3	PASS	0	0.0		0	0.0		14	12.0 - 16.0	PASS	0	0.0		0.0927	0.0712 - 0.1068	PASS	90.0	100.00	PASS	Pass-Excellent																									
LB1528	OS39	17	Fail	2	10.0		0	0.0		291	263.7 - 322.3	PASS	2	0.7		0.4214	0.3039 - 0.4559	PASS	90.0	98.81	PASS	Pass-Good																									
LB1528	OS40	22	PASS	0	0.0		0	0.0		46	42.3 - 51.7	PASS	1	2.1		0.6199	0.4447 - 0.6671	PASS	90.0	99.01	PASS	Pass-Good																									
LB1529	OS38	6	PASS	0	0.0		1	16.7	Review	6	4.0 - 8.0	PASS	0	0.0		-	-	-	90.0	87.50	Fail	Fail-Poor																									
LB1529	OS39	23	PASS	0	0.0		0	0.0		416	379.8 - 464.2	PASS	2	0.5		-	-	-	90.0	98.81	PASS	Pass-Good																									
LB1529	OS40	17	PASS	1	5.6		0	0.0		416	405.0 - 495.0	PASS	25	5.6		-	-	-	90.0	95.84	PASS	Pass-Good																									
LB1530	OS38	8	PASS	1	11.1		0	0.0		683	652.5 - 797.5	PASS	44	6.1		-	-	-	90.0	96.88	PASS	Pass-Good																									
LB1530	OS39	32	PASS	0	0.0		0	0.0		231	207.0 - 253.0	PASS	0	0.0		6.4782	5.1184 - 7.6776	PASS	90.0	99.79	PASS	Pass-Good																									
LB1530	OS40	21	PASS	0	0.0		0	0.0		1138	1020.6 - 1247.4	PASS	0	0.0		1.5721	1.2746 - 1.9118	PASS	90.0	99.74	PASS	Pass-Good																									
LB1531	OS38	11	PASS	0	0.0		0	0.0		44	40.5 - 49.5	PASS	1	2.2		-	-	-	90.0	98.88	PASS	Pass-Good																									
LB1531	OS39	-	-	-	-		-	-		-	-	-	-	-		-	-	-	90.0	0	PASS	FALSE																									
LB1531	OS40	-	-	-	-		-	-		-	-	-	-	-		-	-	-	90.0	0	PASS	FALSE																									
LB1532	OS38	10	PASS	1	9.1		0	0.0		156	144.9 - 177.1	PASS	4	2.5		0.5763	0.4838 - 0.7256	PASS	90.0	97.16	PASS	Pass-Good																									
LB1532	OS39	15	PASS	2	11.8		0	0.0		1005	960.3 - 1173.7	PASS	60	5.6		-	-	-	90.0	96.14	PASS	Pass-Good																									
LB1532	OS40	56	PASS	1	1.8		0	0.0		645	571.5 - 698.5	PASS	2	0.3		15.0897	12.1234 - 18.1850	PASS	90.0	98.91	PASS	Pass-Good																									
LB1533	OS38	51	Fail	10	16.4		1	2.0		1209	1166.4 - 1425.6	PASS	83	6.4		-	-	-	90.0	96.05	PASS	Pass-Good																									
LB1533	OS39	38	PASS	0	0.0		2	5.0		229	207.9 - 254.1	PASS	5	2.2		-	-	-	90.0	97.26	PASS	Pass-Good																									
LB1533	OS40	11	PASS	0	0.0		0	0.0		934	931.5 - 1138.5	PASS	117	11.3		1238.1000	0.8450 - 1.2674	Fail	90.0	94.36	PASS	Pass-Acceptable																									
LB1534	OS38	14	PASS	0	0.0		1	7.7		287	293.4 - 358.6	Fail	42	12.9		-	-	-	90.0	92.01	PASS	Pass-Acceptable																									
LB1534	OS39	26	PASS	1	3.7		2	7.7		1263	1197.9 - 1464.1	PASS	69	5.2		-	-	-	90.0	97.22	PASS	Pass-Good																									
LB1534	OS40	4	PASS	0	0.0		0	0.0		15	13.0 - 17.0	PASS	1	6.7		23.3000	0.0122 - 0.0184	Fail	90.0	100.00	PASS	Pass-Excellent																									
LB1535	OS38	9	Fail	3	25.0	Reprocess	0	0.0		65	55.8 - 68.2	PASS	5	8.1	Review	-	-	-	90.0	85.27	Fail	Fail-Poor																									
LB1535	OS39	9	PASS	1	10.0		0	0.0		124	88.2 - 107.8	Fail	4	4.1		-	-	-	90.0	81.98	Fail	Fail-Bad																									
LB1535	OS40	4	PASS	0	0.0		1	25.0	Review	4	2.0 - 6.0	PASS	0	0.0		-	-	-	90.0	75.00	Fail	Fail-Bad																									
LB1536	OS38	-	-	-	-		-	-		-	-	-	-	-		-	-	-	90.0	-	-	-																									
LB1536	OS39	-	-	-	-		-	-		-	-	-	-	-		-	-	-	90.0	-	-	-																									
LB1536	OS40	-	-	-	-		-	-		-	-	-	-	-		-	-	-	90.0	-	-	-																									
LB1537	OS38	22	PASS	0	0.0		2	9.1		65	61.2 - 74.8	PASS	4	5.9		0.8962	0.4239 - 0.6359	Fail	90.0	90.23	PASS	Pass-Acceptable																									
LB1537	OS39	14	PASS	2	13.3	Review	0	0.0		51	57.6 - 70.4	Fail	14	21.9	Reprocess	3.9570	2.3110 - 3.4666	Fail	90.0	86.96	Fail	Fail-Poor																									
LB1537	OS40	10	PASS	0	0.0		1	10.0		37	40.5 - 49.5	Fail	8	17.8	Reprocess	0.3250	0.1839 - 0.2759	Fail	90.0	87.81	Fail	Fail-Poor																									



**Table 6. Comparison of the overall performance of laboratories in the Own Sample exercises from 1995/96 to 2008/09 with respect to the NMBAQC / CSEMP standards. Initial OS results excluding remedial action.**

<b>Scheme Year</b>	<b>Exercise</b>	<b>Pass (&gt;90% BCSI)</b>	<b>Fail (&lt;90% BCSI)</b>	<b>% Pass</b>
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
	In Total	582	137	81

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

