イワシ(マイワシ)の脂肪酸組成集

2002～2015年に銚子港に水揚げされたマイワシ49試料の可食部の脂肪酸組成データ(一部釧路港及び花咲港を含む)

	試料No	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49			
水揚	年	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2014	2014	2014	2014	2014	2014	2014	2014	2014	2014	2013	2013	2013	2013	2013	2013	2011	2011	2011	2007	2007	2005	2005	2004	2004	2004	2004	2004	2004	2004	2004	2004	2004	2002	2002	2002	2002	2002			
	月日	11.9	9.24	9.14	8.17	8.10	7.8	6.15	5.21	4.20	3.25	2.12	1.19	10.21	9.2	8.13	7.29	7.7	6.11	5.26	4.10	3.5	1.21	12.1	8.22	7.10	6.10	5.9	4.9	3.28	2.24	1.27	2.5	1.11	5.10	4.6	12.9	11.4	10.17	9.2	8.10	7.8	6.8	5.17	4.26	12.5	11.17	7.17	6.17	5.23			
水揚港		銚子	銚子	釧路	銚子	釧路	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	釧路	釧路	花咲	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	銚子	平均値	CV%	SD
体長	cm	18.7	17.4	17.7	16.8	22.8	17.0	18.4	17.6	18.4	15.0	17.7	15.1	16.0	22.1	22.5	20.2	20.7	19.7	21.0	20.2	16.7	21.1	19.2	14.8	18.7	18.4	18.7	15.9	14.9	13.5	13.7	19.6	19.9	20.7	19.7	19.9	20.4	19.4	19.3	18.8	17.0	16.7	16.2	16.7	18.4	18.3	16.8	16.7	15.7	18.2	12.2	2.217
体重	g	69.1	72.1	56.8	66.0	157	53.0	73.2	56.7	65.1	29.3	51.5	27.4	44.5	160	165	109	114	91.5	115	85.8	41.2	94.5	72.4	38.5	92.0	87.9	82.7	41.2	29.7	24.7	24.6	88.4	89.9	113	95.1	110	120	99.0	106	97.2	67.6	62.0	53.0	60.4	78.9	79.5	62.1	63.4	48.8	77.3	43.7	33.79
水分	g/100g	62.8	67.2	70.4	62.7	53.2	69.9	65.1	67.4	74.2	72.4	73.3	74.2	67.4	53.1	50.9	57.3	58.8	59.5	60.5	73.3	76.1	61.6	63.4	67.8	63.1	60.2	66.1	73.0	74.2	73.7	75.7	63.5	63.9	73.8	73.8	60.4	60.7	63.1	61.6	61.9	67.1	67.5	72.6	72.2	65.2	64.4	60.9	61.5	65.2	65.9	9.6	6.319
脂質	g/100g	16.3	11.1	9.7	17.1	27.8	9.3	14.0	11.1	5.0	6.9	5.5	4.9	11.8	29.1	29.7	24.1	21.0	20.0	20.7	5.2	2.9	19.0	14.4	11.4	16.4	21.7	13.2	5.1	5.7	6.5	4.7	16.0	15.7	5.5	4.6	19.2	18.0	15.4	17.8	17.6	11.5	11.8	6.7	6.0	13.0	13.7	18.0	17.3	13.7	13.5	50.4	6.824
14:0		6.2	8.7	7.2	8.5	6.6	9.7	6.1	7.1	6.8	6.7	6.1	6.2	11.3	7.3	7.4	7.0	6.6	6.5	6.5	7.2	4.6	7.0	6.5	9.7	7.9	6.7	7.2	6.5	6.2	5.8	5.6	7.1	6.9	6.9	6.5	6.7	6.5	6.1	7.9	7.6	7.1	7.4	7.0	7.2	6.2	6.1	6.9	7.4	6.7	7.0	15.7	1.101
15:0		0.7	0.5	0.6	0.4	0.4	0.4	0.7	0.4	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.5	0.7	0.5	0.3	0.4	0.6	0.5	0.8	0.5	0.5	0.4	0.4	0.3	0.4	0.5	0.6	0.4	0.4	0.4	0.5	0.8	0.8	0.2	0.6	0.6	0.6	0.4	0.4	0.4	0.8	0.8	0.5	0.5	0.4	0.5	–	–
16:0		20.1	20.6	21.4	20.6	18.1	21.4	21.7	19.4	19.3	18.7	18.2	18.5	19.6	18.0	16.8	18.8	20.4	19.6	18.4	17.3	19.2	18.7	19.8	22.6	20.1	19.0	16.9	17.5	16.2	15.3	16.8	19.2	20.6	17.5	18.2	20.2	20.4	20.3	20.9	21.2	19.7	18.6	16.9	17.4	19.1	19.6	18.7	19.1	18.1	19.1	8.1	1.547
16:1		4.4	10.2	5.5	10.7	6.9	11.5	4.6	8.7	6.2	5.1	3.2	4.2	12.9	5.7	5.1	4.9	6.5	6.1	7.5	6.1	2.1	5.4	4.3	11.4	8.9	6.6	6.5	6.9	6.3	6.1	4.9	8.1	8.1	8.2	5.3	6.7	6.2	5.1	8.3	8.1	7.4	9.2	8.1	8.7	5.5	5.4	8.0	8.4	8.2	6.9	31.7	2.188
16:2		0.4	0.9	0.4	1.0	0.6	1.2	0.5	0.9	0.7	0.8	0.3	0.5	1.2	0.5	0.4	0.4	0.6	0.7	0.9	0.9	0.3	0.6	0.4	0.9	0.9	0.8	1.2	1.4	1.4	1.5	1.0	1.0	0.8	1.1	0.8	0.6	0.5	0.4	0.7	0.7	0.6	1.0	1.1	1.3	0.5	0.5	1.0	1.0	1.2	0.8	–	–
16:3		0.2	0.9	0.3	1.0	0.4	1.1	0.4	1.0	0.6	0.7	0.3	0.7	1.2	0.4	0.3	0.3	0.6	0.7	1.0	1.1	0.3		0.3	1.1	0.7	1.0	1.6	2.2	2.0	2.2	1.4	1.2	0.9	1.6	1.1	0.6	0.4	0.3	0.9	0.8	0.7	1.1	1.3	1.7	0.6	0.5	1.4	1.3	1.7	0.9	–	–
16:4		0.5	1.4	0.7	2.0	1.5	2.2	0.6	2.1	1.6	2.3	0.5	1.2	1.7	0.9	0.8	0.7	1.1	1.5	2.3	1.9	0.4	0.8	0.5	1.3	1.6	1.7	2.4	3.8	3.2	3.6	2.7	2.1	1.2	3.0	1.8	0.8	0.7	0.4	1.2	1.1	1.1	2.5	3.1	3.9	0.6	0.5	2.2	2.4	3.3	1.7	58.5	0.972
17:0		0.7	0.6	0.6	0.4	0.4	0.6	0.7	0.7	0.7	1.0	0.7	0.9	0.4	0.5	0.4	0.5	0.8	0.6	0.5	0.7	1.0	0.6	0.7	0.7	0.5	0.5	0.7	0.8	0.8	0.8	0.8	0.5	0.5	0.6	0.8	0.8	0.8	0.8	0.6	0.5	0.7	0.5	0.6	0.5	0.9	0.9	0.7	0.6	0.6	0.7	–	–
17:1		0.3	0.1	0.2		0.2	0.2	0.2			0.2	0.2	0.2		0.2	0.2	0.2	0.1	0.1				0.7	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2					0.2	0.2	0.2													0.2	–	–
18:0		3.3	4.6	3.4	4.4	2.7	3.8	4.4	3.5	3.5	3.1	3.7	3.4	3.6	2.7	2.3	2.9	4.5	3.5	3.6	3.4	3.8	3.1	3.7	4.4	3.9	3.4	3.1	3.2	3.0	2.9	2.8	3.7	3.8	3.5	4.3	4.1	4.3	4.4	4.4	4.5	4.2	3.6	3.1	3.1	4.1	4.3	3.9	3.7	3.3	3.6	15.7	0.569
18:1		12.2	13.8	12.4	15.5	12.2	12.9	12.1	11.2	10.4	8.9	10.9	9.0	10.6	11.6	9.9	11.5	13.5	12.6	14.2	10.0	8.2	12.6	11.8	13.4	12.6	13.8	10.2	10.4	7.8	7.5	7.4	11.3	11.4	9.5	10.2	11.0	11.7	11.3	13.8	14.5	11.5	12.4	9.9	9.8	10.6	10.5	11.3	12.6	12.5	11.4	16.0	1.824
18:2	n−6	1.6	0.9	1.5	0.7	1.1	0.7	1.5	1.0	1.1	1.4	1.5	1.5	0.9	1.3	1.3	1.4	1.2	1.1	0.8	1.0	1.5	1.4	1.6	1.0	1.0	1.0	0.9	0.7	0.9	0.8	1.2	0.9	1.0	0.9	1.1	1.3	1.3	1.5	1.0	1.0	1.2	1.0	1.0	0.8	1.3	1.4	0.9	0.9	0.7	1.1	23.7	0.265
18:3	n−3	1.5	0.4	0.8	0.2	0.8	0.2	1.2	0.6	0.5	0.6	0.8	0.7	0.4	1.2	1.3	1.3	0.6	1.1	0.7	0.7	0.6	1.0	1.3	0.4	0.6	0.8	0.6	0.3	0.4	0.4	0.7	0.5	0.5	0.7	0.7	1.2	1.0	1.1	0.5	0.4	0.6	0.5	0.6	0.5	1.3	1.4	0.8	0.5	0.5	0.7	–	–
18:4	n−3	2.8	0.9	2.0	0.8	2.9	0.9	1.9	1.8	1.6	2.0	1.4	1.9	1.2	3.5	4.2	3.7	1.4	3.0	2.5	2.3	1.1	2.4	2.4	1.0	1.7	2.7	2.2	2.1	1.9	1.9	2.1	2.3	2.3	2.1	1.6	2.0	1.7	1.7	1.2	1.1	1.6	1.7	2.0	1.8	2.2	2.1	2.4	1.9	2.1	2.0	35.0	0.700
20:0		0.3	0.4	0.3	0.3	0.2	0.3	0.6	0.6	0.4	0.2	0.3	0.2	0.5	0.3	0.3	0.4	1.0	0.5	0.6	0.3	0.2	0.3	0.3	0.3	0.5	0.4	0.4	0.2	0.6	0.7	0.2	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.6	0.7	0.5	0.5	0.4	0.6	0.7	1.0	0.8	0.5	0.5	–	–
20:1		4.2	1.4	5.2	1.4	6.3	1.0	4.2	2.5	6.7	5.8	7.7	4.6	0.7	7.8	9.4	6.9	2.6	4.3	4.4	5.1	5.6	5.8	4.2	1.3	1.5	3.3	3.4	1.4	2.3	2.1	3.9	1.8	2.0	1.4	2.9	2.0	2.3	2.5	1.9	1.9	1.6	1.3	1.9	1.0	2.1	1.5	1.0	1.2	0.9	3.2	67.0	2.162
20:2	n−6	0.3		0.3		0.2		0.3	0.2	0.2	0.3	0.3	0.3		0.2	0.2	0.2	0.3			0.2	0.3	0.2	0.3		0.2	0.2	0.2		0.2	0.3	0.3	0.2	0.1		0.2	0.2	0.2	0.2	0.1		0.2				0.2	0.2				0.2	–	–
20:3	n−6	0.2	0.3	0.2	0.3	0.2	0.2	0.2	0.2	0.2		0.2	0.2	0.3				0.3			0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2				0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.2	0.2	0.2	0.2		0.1	0.2	0.2	0.2	0.2	–	–
20:4	n−6	0.7	1.3	0.7	1.1	0.6	1.2	1.0	1.1	0.9	0.7	1.1	1.1	1.5	0.6	0.5	0.6	1.3	0.8	0.7	1.5	1.3	1.2	1.1	1.5	1.4	1.6	2.3	1.7	1.2	1.2	1.0	1.0	1.0	1.3	1.7	1.2	1.4	1.5	1.9	1.9	1.4	1.1	1.1	1.2	1.2	1.3	0.9	1.2	1.1	1.2	31.2	0.368
20:4	n−3	1.0	0.6	0.8	0.5	0.9	0.5	0.8	0.7	0.7	0.7	0.8	0.8	0.6	1.0	1.1	1.0	0.6	0.8	0.7	0.8	0.7	1.0	0.9	0.6	0.7	0.8	0.7	0.6	0.7	0.8	0.7	0.8	0.8	0.7	0.7	0.8	0.8	0.8	0.8	0.7	0.6	0.8	0.7	0.8	0.7	0.8	0.8	0.8	0.8	0.7	0.8	–	–
20:5	n−3	11.5	15.3	11.7	17.5	14.7	17.8	9.7	17.4	12.8	15.0	9.3	12.0	17.8	10.6	9.9	10.4	12.8	13.2	14.8	13.9	9.3	12.2	10.9	14.9	16.9	15.5	18.7	21.1	20.3	21.1	16.5	16.0	13.8	18.4	14.0	12.9	12.1	11.3	14.0	14.1	15.1	18.9	19.7	22.3	12.7	12.5	17.1	18.3	20.4	14.9	23.2	3.446
21:5	n−3	0.4	0.6	0.4	0.6	0.6	0.6	0.4	0.6	0.5	0.7	0.4	0.5	0.6	0.5	0.5	0.5	0.5	0.6	0.7	0.7	0.4	0.5	0.4	0.5	0.6	0.7	0.8	1.0	1.0	1.0	0.7	0.7	0.6	0.8	0.6	0.5	0.5	0.4	0.6	0.5	0.5	0.8	0.8	0.9	0.4	0.4	0.8	0.8	0.9	0.6	–	–
22:1		3.3	0.7	4.4	0.7	5.4	0.7	4.4	2.2	5.5	5.0	6.2	4.0	0.1	7.1	8.7	6.0	1.7	3.8	3.8	4.5	4.7	4.8	3.3	0.5	1.0	2.6	3.1	1.1	2.4	2.2	3.8	1.1	1.5	1.5	2.6	1.6	1.8	1.7	0.8	0.9	1.3	0.9	1.8	0.9	1.8	1.3	0.3	0.5	0.4	2.7	76.0	2.023
22:5	n−6	0.4	0.3	0.3		0.1		0.4	0.2	0.3	0.4	0.5	0.7	0.2	0.2	0.2	0.2	0.5	0.2	0.1	0.3	0.9	0.2	0.5	0.2	0.3	0.2	0.2	0.3	0.4	0.4	0.5	0.3	0.3	0.3	0.6	0.4	0.4	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.6	0.2	0.2	0.2	0.3	–	–
22:5	n−3	2.3	2.9	2.4	2.9	2.4	2.6	1.8	2.1	2.0	1.9	2.1	1.9	3.0	2.0	1.9	1.9	2.4	2.1	2.2	2.5	2.0	2.5	2.4	2.3	2.4	2.3	2.6	2.9	2.7	2.2	1.8	2.6	2.6	2.4	2.7	2.5	2.5	2.4	2.7	2.6	2.4	2.5	2.4	2.5	2.4	2.4	2.6	2.5	2.5	2.4	12.5	0.298
22:6	n−3	16.5	7.6	11.7	4.4	8.9	4.8	15.0	10.0	11.4	12.1	18.4	19.9	6.1	10.8	11.2	12.9	12.2	11.6	8.0	12.3	26.7	11.2	16.7	5.3	9.7	9.4	8.7	10.0	13.9	14.3	18.0	12.3	14.2	12.5	16.0	15.6	15.9	17.9	9.5	9.7	14.2	8.9	11.3	9.0	18.2	18.9	11.9	8.9	8.5	12.3	35.3	4.350
24:1		1.0	0.4	1.2	0.3	0.8	0.3	0.8	0.5	0.9	1.0	1.0	1.0	0.2	0.7	0.8	0.7	0.5	0.6	0.5	0.8	1.1	0.7	0.8	0.3	0.4	0.5	0.5	0.4	0.5	0.5	0.9	0.4	0.4	0.5	0.7	0.6	0.6	0.6	0.4	0.4	0.5	0.3	0.4	0.3	0.7	0.6	0.4	0.3	0.3	0.6	–	–
UK等		3.0	3.7	3.4	3.8	3.9	3.2	3.8	3.1	4.0	4.1	3.4	3.3	2.9	3.9	4.4	4.2	4.7	3.9	4.3	3.9	2.9	4.4	3.7	3.5	3.2	3.7	4.1	2.8	3.2	3.7	3.5	3.6	3.7	3.5	3.7	4.0	4.2	5.7	4.2	4.1	3.8	3.7	3.7	3.2	4.7	4.5	4.1	4.0	4.1	3.8	–	–

注) 脂肪酸組成データの空欄は0.1%未満。UK等は未同定に脂肪酸など。