

**Supplementary Table 5.** Mean values of the total Hg concentrations calculated by species from the mean values reported in the reviewed articles

Scientific name	Korean name	Common english name	N	Mean
Hexagrammos otakii	취노래미	A rock trout	35	0.049
Nordotis discus	전복	Abalone	122	0.012
Theragra chalcogramma	명태	Alaska pollock	289	0.045
Thunnus alalunga	날개다랑어	Albacore	12	0.377
Engraulis japonicus	멸치	Anchovy	128	0.048
Sebastes hubbsi	우럭	Armorclad rockfish	107	0.074
Doryteuthis bleekeri	한치	Arrow squid	3	0.033
Oryzias latipes	송사리	Asiatic ricefish	7	0.033
Pleurogrammus azonus	임연수어	Atka mackerel	35	0.049
Trichiurus lepturus	대서양 갈치	Atlantic cutlassfish	29	0.082
Microphysogobio longidorsalis	배가사리	Baegasari	1	0.01
Triakis scyllium	까치상어	Banded hound shark	3	0.97
Squaliobarbus curriculus	눈불개	Barbel chub	6	0.094
Argopecten irradians	해만 가리비	Bay scallop	3	0.014
Loligo beka	꼴뚜기	Beka squid	21	0.01
Deep-sea fish	눈다랑어	Bigeye tuna	50	0.516
	새치류	Billfish	41	0.99
Pseudobagrus koreanus	눈동자개	Black bullhead	92	0.08
Acanthopagrus schlegelii	감성돔	Black porgy	62	0.059
Lophiomus setigerus	아귀	Blackmouth angler	149	0.067
Carcharhinus melanopterus	흑기흉상어	Blacktip reef shark	26	1.1

<i>Carcharhinus leucas</i>	황소상어	Blacktip shark	12	0.125
<i>Scapharca broughtonii</i>	피조개	Bloody clam	371	0.015
<i>Portunus trituberculatus</i>	꽃게	Blue crab	42	0.034
<i>Lepomis macrochirus</i>	블루길	Blue gill	392	0.06
<i>Mytilus edulis</i>	진주담치	Blue mussels	75	0.008
<i>Prionace glauca</i>	청새리상어	Blue shark	15	2.4
<i>Thunnus thynnus</i>	참다랑어	Bluefin tuna	35	0.513
<i>Miichthys miiuy</i>	민어	Brown croaker	111	0.05
<i>Limanda herzensteini</i>	참가자미	Brown sole	42	0.049
<i>Saxidomus purpuratus</i>	개조개	Butter clam	22	0.013
<i>Pampus argenteus</i>	병어	Butterfish	141	0.028
<i>Cyprinus carpio</i>	잉어	Carp	227	0.051
<i>Misgurnus mizolepis</i>	미꾸라지	Chinese muddy loach	176	0.057
<i>Scomber japonicus</i>	고등어	Chub mackerel	334	0.065
<i>Scomber japonicus</i>	참고등어	Chub mackerel	60	0.024
<i>Scyliorhinus torazame</i>	두툽상어	Cloudy dogfish	5	1.15
<i>Atrina pectinata</i>	키조개	Comb pen shell	23	0.009
<i>Anguilla japonica</i>	뱀장어	Common eel	305	0.125
<i>Enteroctopus dofleini</i>	문어	Common octopus	58	0.027
<i>Meretrix meretrix</i>	백합	Common orient clam	90	0.025
<i>Conger myriaster</i>	붕장어	Conger eel	37	0.06
<i>Ariosoma shiroanago shiroanago</i>	흰붕장어	Conger eel	45	0.031
	게	Crab	126	0.071
<i>Cambaroides similis</i>	갯가재	Crayfish	2	0.01

<i>Collichthys lucidus</i>	황강달이	Croaker	20	0.057
<i>Pseudocarcharias kamoharui</i>	강남상어	Crocodile shark	2	1.5
<i>Carassius carassius</i>	붕어	Crucian carp	574	0.058
<i>Culter brevicauda</i>	백조어	<i>Culter brevicauda</i>	21	0.123
<i>Sepia esculenta</i>	갑오징어	Cuttle fish	10	0.017
<i>Nipponocypris temminckii</i>	갈겨니	Dark chub	8	0.031
<i>Zacco temminckii</i>	갈겨니	Dark chub	33	0.052
<i>Odontobutis platycephala</i>	동사리	Dark slepper	64	0.092
<i>Sebastes inermis</i>	볼락	Dark-banded rockfish	32	0.037
<i>Acanthorhodeus macropterus</i>	큰납지리	Deep body bitterling	48	0.043
<i>Mustelus griseus</i>	개상어	Dog shark	5	0.394
<i>Moroco lagowskii</i>	버들개	Downstream fatminnow	166	0.046
<i>Iksookimia yongdokensis</i>	동방종개	Eastern spine loach	17	0.028
<i>Styela clava</i>	미더덕	Eboya	53	0.014
<i>Coilia nasus</i>	웅어	Estuarine tapertail	16	0.084
<i>Silurus asotus</i>	메기	Far eastern catfish	373	0.102
<i>Stephanolepis cirrhifer</i>	쥐치	Filefish	78	0.035
<i>Pleuronichthys cornutus</i>	도다리	Finespotted flounder	5	0.015
<i>Acheilognathus rhombeus</i>	납지리	Flat bitterling	6	0.016
<i>Paralichthys oivaceus</i>	광어	Flatfish	34	0.055
<i>Platycephalus indicus</i>	양태	Flathead	11	0.04
<i>Mugil cephalus</i>	송어	<u>Flathead grey mullet</u>	126	0.025
<i>Penaeus trituberculatus</i>	대하	Fleshy shrimp	5	0.03
<i>Heptacarpus geniculatus</i>	흑등좁은뿔꼬마새우	Flexed shrimp	7	0.023

<i>Chaenogobius urotaenia</i>	꼭저구	Floating goby	1	0.134
<i>Limanda herzensteini</i>	가자미	Flounder	165	0.077
<i>Cheilopogon agoo</i>	날치	Flying fish	4	0.084
<i>Myripristis murdjan</i>	적투어	Forskål	10	0.014
<i>Konosirus punctatus</i>	전어	Gizzard shad	83	0.015
Gobiidae	망둥어	Goby	14	0.041
<i>Pseudogobio ecosinus</i>	모래무지	Goby minnow	109	0.06
<i>Carassius auratus</i>	금붕어	Gold fish	47	0.016
<i>Solen strictus</i>	맛조개	<u>Gould's razor shell</u>	34	0.021
<i>Tegillarca granosa</i>	꼬막	Granulated ark shell	165	0.04
<i>Trichiurus lepturus</i>	갈치	Hair tail	316	0.056
<i>Peprilus paru</i>	병어과 어류	Harvest fish	33	0.02
<i>Mactra chinensis philippi</i>	개량조개	Hen clam	11	0.006
<i>Clupea pallasii</i>	청어	Herring	57	0.091
<i>Acanthephyra purpurea</i>	홍새우	Hiodoshiebi	5	0.021
<i>Hemiramphus sajori</i>	학공치	Horn fish	2	0.014
<i>Trachurus japonicus</i>	전갱이	Horse mackerel	49	0.083
<i>Eptatretus burgeri</i>	먹장어	Inshore hagfish	9	0.661
<i>Cyprinus carpio nudus</i>	이스라엘 잉어	Israeli carp	2	0.049
<i>Seriola quinqueradiata</i>	방어	Japanese amberjack	4	0.048
<i>Todarodes pacificus</i>	살오징어	Japanese common squid	48	0.037
<i>Acetes japonicus</i>	백새우	Japanese paste shrimp	5	0.014
<i>Chrysaora fuscescens</i>	해파리	Jellyfish	23	0
<i>Coreoperca herzi</i>	꺾지	Korean aucha perch	98	0.082

<i>Pseudobagrus fulvidraco</i>	동자개	Korean bullhead	200	0.088
<i>Pseudobagrus fulvidraco</i>	빠가사리	Korean bullhead	25	0.027
<i>Nipponocypris koreanus</i>	참갈겨니	Korean chub	39	0.038
<i>Abbottina springeri</i>	왜매치	Korean dwarf gudgeon	1	0.015
<i>Squalidus chankaesis tsuchigae</i>	참몰개	Korean gudgeon	10	0.142
<i>Sarcocheilichthys nigripinnis morii</i>	중고기	Korean oily Shiner	14	0.069
<i>Opsarichthys uncirostris amurensis</i>	끄리	Korean piscivorous chub	137	0.173
<i>Sebastes schlegelii</i>	조피볼락	Korean rockfish	214	0.08
<i>Hypoptychus dybowskii</i>	양미리	Korean sandlance	34	0.062
<i>Hemiculter eigenmanni</i>	치리	Korean sharpbelly	39	0.14
<i>Coreoleuciscus splendidus</i>	쉬리	Korean shinner	14	0.059
<i>Acheilognathus yamatsutae</i>	줄납자루	Korean striped bitterling	11	0.027
<i>Liobagrus andersoni</i>	통가리	Korean torrent catfish	12	0.046
<i>Acheilognathus majusculus</i>	큰줄납자루	Large striped bitterling	15	0.027
<i>Micropterus salmoides</i>	베스	Largemouth bass	5	0.1
<i>Micropterus salmoides</i>	큰입우럭	Largemouth bass	196	0.195
<i>Cyprinus carpio nudus</i>	향어	Leather carp	3	0.009
<i>Liparis tanakai</i>	꼼치	Liparis	6	0.002
<i>Nephropidae</i>	바닷가재	Lobster	19	0.131
<i>Octopus minor</i>	낙지	Long arm octopus	98	0.02
<i>Hemibarbus longirostris</i>	참마자	Long-nosed barbel	85	0.097
<i>Brachymystax lenok tsinlingensis</i>	열목어	Manchurian trout	10	0.107
<i>Siniperca scherzeri</i>	쏘가리	Mandarin fish	92	0.2
<i>Tapes philippinarum</i>	바지락	Manila clam	319	0.015

<i>Sebastes marmoratus</i>	솜뱅이	Marbled rockfish	9	0.141
<i>Corbucula fluminea</i>	재첩	Marsh clam	7	0.024
<i>Rhizoprionodon acutus</i>	두점상어	Milk shark	3	0.19
<i>Periopthalmus modestus</i>	말뚝망둥어	Mud hopper	98	0.016
<i>Mytilus coruscus</i>	홍합	Mussel	283	0.011
<i>Oreochromis niloticus</i>	나일틸라피아	nile mouth breeder	1	0.026
<i>Emeroctopus dofleini</i>	참문어	North Pacific giant octopus	8	0.016
<i>Squalus megalops</i>	모조리상어	Oceanic whitetip shark	3	0.16
<i>Cobitis longicorpus</i>	왕종개	Oil fish	1	0.58
<i>Sarcocheilichthys variegatus wakiyae</i>	참중고기	Oily shinner	21	0.075
<i>Paralichthys olivaceus</i>	넙치	Oliver flounder	273	0.054
<i>Meretrix lamarckii</i>	민무늬백합	Orient hard clam	52	0.017
<i>Macrobrachium nipponese</i>	민물새우	Oriental river prawn	2	0.045
<i>Crassostrea gigas</i>	굴	Oyster	433	0.013
<i>Makaira mazara</i>	기름녹새치	Pacific blue marlin	15	0.327
<i>Gadus macrocephalus</i>	대구	Pacific cod	186	0.069
<i>Istiophorus platyperus</i>	돛새치	Pacific sailfish	13	0.103
<i>Cololabis saira</i>	공치	Pacific saury	221	0.052
<i>Zacco platypus</i>	피라미	Pale chub	298	0.061
<i>Dissostichus eleginoides</i>	비막치어	Patagonian toothfish	25	0.526
<i>Alopias pelagicus</i>	환도상어	Pelagic thresher shark	13	1.45
<i>Muraenesox cinereus</i>	갯장어	Pike eel	36	0.116
<i>Peronidia venulosa</i>	비단조개	Pink butterfly shell	2	0.005
<i>Misgurnus anguillicaudatus</i>	미꾸리	Pond loach	14	0.022

<i>Hypomesus nipponensis</i>	빙어	Pond smelt	66	0.068
<i>Takifugu porphyreus</i>	검복	Purple puffer	3	0.089
<i>Elagatis bipinnulata</i>	참치방어	Rainbow runner	3	0.223
<i>Oncorhynchus mykiss</i>	무지개 송어	Rainbow trout	8	0.042
<i>Raja kenoei</i>	가오리	Ray	8	0.487
<i>Priacanthus macracanthus</i>	홍치	Red bulleye	3	0.055
<i>Branchiostegus japonicus</i>	옥돔	Red horsehead	30	0.102
<i>Pagrus major</i>	참돔	Red seabream	165	0.114
<i>Pagrus major</i>	참돔	Red seabream	86	0.073
<i>Chionoecetes japonicus</i>	홍게	Red snow crab	6	0.134
<i>Dasyatis akajei</i>	노랑가오리	Red stingray	12	0.08
<i>Cynoglossus joyneri</i>	서대	Red tongue sole	8	0.021
<i>Oncorhynchus masou masou</i>	송어	River salmon	95	0.036
<i>Sebastes zonatus</i>	띠볼락	Rock fish	3	0.021
<i>Trachidermus fasciatus</i>	꺼정어	Rough skin sculpin	1	0.097
<i>Arctoscopus japonicus</i>	도루묵	Sailfin sanfish	51	0.093
<i>Spisula sachalinensis</i>	북방대합	Sakhalin surf clam	21	0.017
<i>Oncorhynchus keta</i>	연어	Salmon	31	0.029
<i>Sillago sihama</i>	보리멸	Sand smelt	3	0.038
<i>Sardinops melanostictus</i>	정어리	Sardine	43	0.041
<i>Sphyrna lewini</i>	홍살귀상어	Scalloped hammerhead shark	12	0.498
<i>Lateolabrax japonicus</i>	농어	Sea bass	64	0.094
<i>lateolabrax maculatus</i>	점농어	Sea perch	22	0.071
<i>Tribolodon hakonensis</i>	황어	Sea rundace	8	0.096

<i>Halocynthia roretzi</i>	멍게	Sea squirt	48	0.021
<i>Tripneustes ventricosus</i>	성게	Sea urchin	12	0.006
<i>Stichopus japonicus</i>	해삼	Seacucumbers	39	0.003
<i>Selachimorpha</i>	상어	Shark	54	0.672
<i>Hemiculter leucisculus</i>	살치	Sharpbelly	79	0.124
<i>Metapenaeus joyneri</i>	중하	Shiba shrimp	5	0.038
<i>Pachygrapsus crassipes</i>	돌게	Shore crab	3	0.035
<i>Squalidus japonicus coreanus</i>	물개	Short barbel gudgeon	4	0.158
<i>Isurus oxyrinchus</i>	청상아리	Shortfin mako shark	19	1.507
<i>Tapes japonica</i>	모시조개	Shortnecked clam	41	0.025
<i>Carcharhinus longimanus</i>	장완홍상어	Shortnose spurdog	4	0.53
<i>Eopsetta grigorjewi</i>	물가자미	Shotted halibut	75	0.028
	새우	Shrimp	101	0.034
<i>Orthrias nudus</i>	대륙종개	Siberian stone loach	15	0.038
<i>Raja kenojei</i>	홍어	Skate ray	5	0.018
<i>Katrapurus pelamis</i>	가다랑어	Skipjack tuna	17	0.05
<i>Eryghroculter erythropterus</i>	강준치	Skygager	125	0.151
<i>Acheilognathus lanceolatus</i>	납자루	Slender bitterling	15	0.059
<i>Silurus microdorsalis</i>	미유기	Slender catfish	6	0.034
<i>Ilisha elongata</i>	준치	Slender shad	3	0.07
<i>Larimichthys polyactis</i>	참조기	Small yellow croaker	195	0.056
<i>Sphyrna zygaena</i>	귀상어	Smooth hammerhead	3	1.7
<i>Aptocyclus ventricosus</i>	뚝지	Smooth lumpfish	3	0.003
<i>Channa argus</i>	가물치	Snake Head	110	0.097



<i>Chionoecetes opilio</i>	대게	Snow crab	5	0.119
<i>Liobagrus mediadiposalis</i>	자가사리	South torrent catfish	5	0.022
<i>Scomberomorus niphonius</i>	삼치	Spanish mackerel	211	0.04
<i>Cobitis hankugensis</i>	기름종개	Spine loach	22	0.092
<i>Squlus acanthias</i>	곱상어	Spiny dogfish	17	1.08
<i>Erisphex pottii</i>	풀미역치	Spotted velvetfish	3	0.043
<i>Agrammus agrammus</i>	노래미	Spotty belly greenling	69	0.051
<i>Todarodes pacificus</i>	오징어	Squid	116	0.041
<i>Platichthys stellatus</i>	강도다리	Starry flounder	23	0.036
<i>Mustelus manazo</i>	별상어	Starspotted smooth-hound	3	0.527
<i>Hemibarbus labeo</i>	누치	Steed barbel	378	0.101
<i>Chelon haematocheilus</i>	가송어	Strip mullet	10	0.023
<i>Oplegnathus fasciatus</i>	돌돔	Striped beakperch	15	0.033
<i>Tetrapturus audax</i>	청새치	Striped marlin	12	0.194
<i>Pungtungia herzi</i>	돌고기	Striped shinner	110	0.083
<i>Macra veneriformis</i>	동죽	Surf clam	25	0.019
<i>Plecoglossus altivelis</i>	은어	Sweet smelt	57	0.018
<i>Xiphias gladius</i>	황새치	Swordfish	144	0.975
<i>Helice tridens tridens</i>	방게	Three-spined shore crab	3	0.017
<i>Symphurus pusillus</i>	개서대	Tongue-fish	4	0.056
<i>Omphalius pfeifferi</i>	고둥	Truban shell	71	0.049
Thunnidae	다랑어과 어류	Tuna	321	0.473
<i>Batillus cornutus</i>	소라	Turban shell	98	0.027
<i>Urechis unicinctus</i>	개불	<i>Urechis unicinctus</i>	45	0.003

<i>Rapana venosa</i>	피뿔고둥	Veined rapa whelk	9	0.012
<i>Notochione jedoensis</i>	살조개	Venus clam	14	0.004
<i>Octopus ocellatus</i>	주꾸미	Webfoot octopus	37	0.012
<i>Buccimon striatissimum</i>	골뱅이	Whelk	94	0.075
<i>Neptuneaarthritica</i>	소라고둥	Whelk	152	0.068
<i>Salvelinus leucomaenis</i>	홍송어	White spotted char	3	0.035
<i>Larimichthys polyactis</i>	조기	Yellow croaker	95	0.046
<i>Dentex tumifrons</i>	황돔	Yellow porgy	8	0.24
<i>Thunnus albacares</i>	황다랑어	Yellowfin tuna	18	0.253

N, total number of species samples recalculated by the mean values.