Study (sample, location)	Postive sample	Sample size	Proportion	95% C.I.	Weights
GNI = HIC					
Hörman et al. 2004 (lake water, Finland)	1	35	0.029	[0.000; 0.119]	2.0%
Hörman et al. 2004 (river water, Finland)	12	104	0.115	[0.060; 0.185]	2.1%
Laverick et al. 2004 (marine bathing water, United Kingdom)	5	36	0.139	[0.042; 0.274]	2.0%
Laverick et al. 2004 (river water, United Kingdom)	4	25	0.160	[0.038; 0.334]	1.9%
Haramoto et al. 2005 (river water, Japan)	37	64	0.578	[0.455; 0.697]	2.1%
Ueki et al. 2005 (river water, Japan)	10	16	0.625	[0.372; 0.849]	1.8%
Rutjes et al. 2006 (surface water, Netherlands)	15	16	0.938	[0.751; 1.000]	1.8%
Rosa et al. 2007 (estuarine water, Italy)	0	5	0.000	[0.000; 0.317]	1.3%
Rosa et al. 2007 (seawater, Italy)	3	26	0.115	[0.016; 0.272]	1.9%
Lee and Kim, 2008 (river water, South Korea)	38	58	0.655	[0.527; 0.773]	2.1%
Jones et al. 2009 (river water, United States)	0	5	0.000	[0.000; 0.317]	1.3%
Kitajima et al. 2009 (river water, Japan)	15	48	0.312	[0.188; 0.452]	2.0%
Gabrieli et al. 2009 (spring water, Italy)	0	12	0.000	[0.000; 0.139]	1.7%
Gabrieli et al. 2009 (well water, Italy)	4	14	0.286	[0.074; 0.554]	1.7%
Gentry et al. 2009 (estuarine water, United States)	6	72	0.083	[0.029; 0.160]	2.1%
Aw et al. 2009 (estuarine water, Singapore)	43	60	0.717	[0.595; 0.824]	2.1%
Kitajima et al. 2010 (river waterr, Japan)	30	60	0.500	[0.373; 0.627]	2.1%
Tong et al. 2011 (recreational water, United States)	13	16	0.812	[0.578; 0.972]	1.8%
Lee h et al. 2011 (surface water, South Korea)	4	5	0.800	[0.325; 1.000]	1.3%
Lee h et al. 2011 (groundwater, South Korea)	4	5	0.800	[0.325; 1.000]	1.3%
Lee H et al. 2011b (groundwater, South Korea)	46	109	0.422	[0.331; 0.516]	2.1%
Lee et al. 2011 (groundwater, South Korea)	117	300	0.390	[0.335; 0.446]	2.2%
Jung et al. 2011 (groundwater, South Korea)	7	39	0.179	[0.072; 0.318]	2.0%
Park et al. 2011 (spring water, South Korea)	25	60	0.417	[0.294; 0.544]	2.1%
Lee et al. 2012 (groundwater, South Korea)	14	160	0.088	[0.048; 0.137]	2.1%
Perez-Sautu et al. 2012 (river water, Spain)	87	108	0.806	[0.725; 0.875]	2.1%
Maunula et al. 2012 (river water, Finland)	20	65	0.308	[0.201; 0.426]	2.1%
Yang et al. 2012 (seawater, Hong Kong)	6	6	1.000	[0.732; 1.000]	1.4%
Lee et al. 2013 (groundwater, South Korea)	7	1090	0.006	[0.002; 0.012]	2.2%
Grøndahl-Rosado et al. 2014 (surface water, Norway)	34	52	0.654	[0.518; 0.778]	2.0%
Lee et al. 2014 (river water, South Korea)	13	166	0.078	[0.042; 0.125]	2.1%
Lee et al. 2014 (lake water, South Korea)	1	61	0.016	[0.000; 0.069]	2.1%
Lee et al. 2014 (groundwater, South Korea)	2	34	0.059	[0.001; 0.169]	2.0%
Lee et al. 2014 (mixed water, South Korea)	0	4	0.000	[0.000; 0.389]	1.2%
Giammanco et al. 2014 (groundwater, Italy)	10	21	0.476	[0.264; 0.693]	1.9%
Kim et al. 2016 (estuarine water, South Korea)	28	352	0.080	[0.053; 0.110]	2.2%
Kim et al. 2016 (stream water, South Korea)	76	152	0.500	[0.420; 0.580]	2.1%
Vergara et al. 2016 (river water, Singapore)	36	48	0.750	[0.617; 0.864]	2.0%
Dienus et al. 2016 (river water, Sweden)	25	58	0.431	[0.306; 0.561]	2.1%
Maite, 2016 (river water, United States)	0	8	0.000	[0.000; 0.204]	1.5%
Tian et al. 2017 (lake, river, stream,&pond waters, United States)	221	860	0.257	[0.228; 0.287]	2.2%
Rosa et al. 2017 (seawater, Italy)	8	68	0.118	[0.050; 0.206]	2.1%
Kang et al. 2017 (river water, South Korea)	9	80	0.112	[0.051; 0.192]	2.1%
LoFranco, 2017 (river&groundwater, Canada)	0	12	0.000	[0.000; 0.139]	1.7%
Koo et al. 2017 (Stream & estuarine water, South Korea)	8	24	0.333	[0.156; 0.536]	1.9%
Choi et al. 2018 (river & beach waters, South Korea)	4	81	0.049	[0.011; 0.109]	2.1%
Lee sj et al. 2018 (treated groundwater, South Korea)	8	1360	0.006	[0.002; 0.011]	2.2%
Sedji et al. 2018 (river water, France)	15	15	1.000	[0.888; 1.000]	1.8%
Lee sl et al. 2018 (groundwater, South Korea)	178	1486	0.120	[0.104; 0.137]	2.2%
Miura et al. 2019 (lake & river water, Japan)	13	15	0.867	[0.639; 0.997]	1.8%
Wyn-Jones et al. 2011 (freshwater, CNUIDFEPP)	58	928	0.062	[0.048; 0.079]	2.2%
Wyn-Jones et al. 2011 (marinewater, CNUIDFEPP)	79	482	0.164	[0.132; 0.198]	2.2%
Random effects model		***8986***	***0.287***	***[0.217; 0.361]***	***100.0%***
95% Prediction interval	.	.		***[0.000; 0.810]***	--
Heterogeneity: I^2 = 98% [97%; 98%], τ^2 = 0.0675, χ^2_{51} = 2310.91 (p = 0)					
GNI = MIC					
Hernandez-Morga et al. 2009 (estuarine water, Mexico)	28	40	0.700	[0.548; 0.834]	6.0%
Félix et al. 2010 (marine water, Mexico)	15	32	0.469	[0.297; 0.644]	5.9%
Victoria et al. 2010 (seawater&brackish water, Brazil)	10	48	0.208	[0.104; 0.336]	6.1%
Fernández et al. 2011 (river water, Argentina)	5	14	0.357	[0.123; 0.629]	5.2%
Kittigul et al. 2012 (river water, Thailand)	13	59	0.220	[0.123; 0.336]	6.1%
Fernández et al. 2012 (river water, Argentina)	53	209	0.254	[0.197; 0.315]	6.4%
Mans et al. 2013 (river water, South Africa)	95	151	0.629	[0.550; 0.705]	6.4%
Kiulia et al. 2014 (river/borehole water, Kenya)	25	40	0.625	[0.469; 0.770]	6.0%
Inoue et al. 2016 (river water, Thailand)	13	15	0.867	[0.639; 0.997]	5.3%
Teixeira et al. 2016 (surface water, Brazil)	4	28	0.143	[0.033; 0.301]	5.8%
Boonchan et al. 2017 (river water, Thailand)	15	25	0.600	[0.400; 0.785]	5.7%
Teixeira et al. 2017 (river water, Brazil)	38	120	0.317	[0.236; 0.403]	6.3%
Van Abel et al. 2017 (surface water, South Africa)	30	34	0.882	[0.749; 0.973]	5.9%
Shaheen and Elmahdy, 2019 (river water, Egypt)	2	24	0.083	[0.002; 0.235]	5.7%
Rosiles-González et al. 2019 (groundwater, Mexico)	9	20	0.450	[0.236; 0.674]	5.5%
de Deus et al. 2019 (estuarine water, Brazil)	39	104	0.375	[0.284; 0.470]	6.3%
Khamrin et al. 2019 (river water, Thailand)	0	21	0.000	[0.000; 0.080]	5.6%
Random effects model		***984***	***0.406***	***[0.279; 0.539]***	***100.0%***
95% Prediction interval	.	.		***[0.004; 0.921]***	--
Heterogeneity: I^2 = 92% [89%; 94%], τ^2 = 0.0675, χ^2_{16} = 202.8 (p < 0.0001)