Table 2: Changes to Human Health Numeric Criteria

All values in µg/L

Changes to Existing Criteria:

Parameter	CASRN	2014 Water and Fish	2017 Water and Fish	2014 Fish Only	2017 Fish Only
Acrylonitrile	107-13-1	0.80	1.0	3.8	115
Aldrin	309-00-2	0.00094	2.19E-8	0.0010	2.19E-8
Anthracene	120-12-7	5,569	1,109		
Benzene	71-43-2			513	581
Benzidine	92-87-5	0.00086	0.0015	0.0020	0.107
Benzo(*a*)anthracene	56-55-3	0.68	0.024	3.28	0.025
Benzo(*a*)pyrene	50-32-8	0.068	0.0025	0.33	0.0025
Bis(2-chloroethyl)ether	111-44-4	0.57	0.60	10.06	42.83
Bis(2-ethylhexyl)phthalate	117-81-7			41	7.55
Bromodichloromethane	75-27-4			322	275
Bromoform	75-25-2	69.1	66.9	2,175	1,060
Carbon Tetrachloride	56-23-5	4.3	4.5	30.5	46
Chlordane	12789-03-6	0.0080	0.0025	0.0081	0.0025
Chlorobenzene	108-90-7			5,201	2,737
Chlorodibromomethane	124-48-1	7.6	7.5	239	183
Chloroform	67-66-3			7,143	7,697
Chrysene	218-01-9	68.13	2.45	327	2.52
4,4'-DDD	72-54-8	0.0059	0.002	0.0059	0.002
4,4'-DDE	72-55-9	0.0040	0.00013	0.0040	0.00013
4,4'-DDT	50-29-3	0.0040	0.0004	0.0040	0.0004
m-Dichlorobenzene	541-73-1	473	54.8	1,445	59.4
o-Dichlorobenzene	95-50-1			4,336	3,299
3,3'-Dichlorobenzidine	91-94-1	0.32	0.79	0.44	2.24
1,2-Dichloroethane	107-06-2			553	364
1,1-Dichloroethylene	75-35-4			23,916	55,114
Dichloromethane	75-09-2			22,222	13,333
1,2-Dichloropropane	78-87-5			226	259
1,3-Dichloropropene	542-75-6	3.4	2.8	211	119
Dieldrin	60-57-1	0.001	2E-5	0.001	2E-5
2,4-Dimethylphenol	105-67-9	257	444	571	8,436
Di-n-Butyl Phthalate	84-74-2	1,318	88.9	3,010	92.4
Endrin	72-20-8	0.20	0.02	0.20	0.02
Heptachlor	76-44-8	0.0015	8E-5	0.0015	0.0001
Heptachlor Epoxide	1024-57-3	0.00074	0.00029	0.00075	0.00029

Parameter	CASRN	2014 Water and Fish	2017 Water and Fish	2014 Fish Only	2017 Fish Only
Hexachlorobenzene	118-74-1	0.0044	0.00068	0.0045	0.00068
Hexachlorobutadiene	87-68-3	6.5	0.21	274	0.22
Hexachlorocyclohexane (*alpha*)	319-84-6	0.050	0.0078	0.093	0.0084
Hexachlorocyclohexane (*beta*)	319-85-7	0.17	0.15	0.33	0.26
Hexachloro-cyclohexane (*gamma*)(Lindane)	58-89-9			6.2	0.341
Hexachlorocyclopentadiene	77-47-4	50 (MCL)	10.7	---	11.6
Hexachloroethane	67-72-1	4.97	1.84	11.51	2.33
Methoxychlor	72-43-5	1.59	2.92	1.61	3.0
Nitrobenzene	98-95-3	45	45.7	1,853	1,873
Pentachlorobenzene	608-93-5	1.0	0.348	1.0	0.355
Pentachlorophenol	87-86-5	0.80	0.22	9.1	0.29
1,2,4,5-Tetrachlorobenzene	95-94-3	0.65	0.23	0.71	0.24
1,1,2,2-Tetrachloroethane	79-34-5	1.7	1.64	40	26.35
Tetrachloroethylene	127-18-4			525	280
Toxaphene	8001-35-2	0.0053	0.011	0.0053	0.011
2,4,5-TP (Silvex)	93-72-1	19	50 (MCL)	21	369
1,1,1-Trichloroethane	71-55-6			956,663	784,354
1,1,2-Trichloroethane	79-00-5			295	166
Trichloroethylene	79-01-6			82	71.9
2,4,5 Trichlorophenol	95-95-4	1,194	1,039	2,435	1,867
Vinyl Chloride	75-01-4	0.25	0.23	24	16.5

Possible Additions:

Parameter	CASRN	2017 Water and Fish	2017 Fish Only
Epichlorohydrin	106-89-8	53.5	2,013.8
Ethylene Glycol	107-21-1	46,744	1.68E7
4,4'-Isopropylidenediphenol (bisphenol A)	80-05-7	1,097	15,982
Methyl tert-butyl ether (MTBE)	1634-04-4	15*	10,482

*Based on aesthetics criteria - 1998 Oxygenated Fuels Association study "Taste and Odor Properties of Methyl Tertiary-Butyl Ether and Implications for Setting a Secondary MCL"