BERA Calculated Sum Components

Sum calculation rules:

If at least one group component for a given sample is detected, sum the following:

a) If an analyte is detected (D), use D value in sum

b) If an analyte is not detected (ND), but determined to be present*, use ½ DL in sum

c) If an analyte is ND and determined not to be present*, use 0 in sum

If all analytes for a chemical group are ND, report max DL and flag result as ND (U-qualified)

* ERA media assessed for detection status include benthic tissue (all species examined collectively), fish tissue (all species examined collectively), sediment, surface water, and transition zone water.

analyte_group	Name of Sum ("(calc'd)" is dropped when reporting)	cas_rn	Analyte	Notes
PAHs	Total Benzofluoranthenes (calc'd)	205-99-2	Benzo(b)fluoranthene	If less than 2 components are available for a given sample, the sum is not calculated.
		BBJFLANTH	Benzo(b+j)fluoranthene	
		BKBFLANTH	Benzo(b+k)fluoranthene	
		BKJFLANTH	Benzo(j+k)fluoranthene	
		207-08-9	Benzo(k)fluoranthene	
	Total HPAHs (calc'd)	56-55-3	Benzo(a)anthracene	If less than 10 components are available for a given sample, the sum is flagged with an "A" qualifier. If less than 5 components are available, the sum is not calculated.
		50-32-8	Benzo(a)pyrene	
		205-99-2	Benzo(b)fluoranthene	
		BBJFLANTH	Benzo(b+j)fluoranthene	
		BKBFLANTH	Benzo(b+k)fluoranthene	
		191-24-2	Benzo(g,h,i)perylene	
		BKJFLANTH	Benzo(j+k)fluoranthene	
		207-08-9	Benzo(k)fluoranthene	
		218-01-9	Chrysene	
		53-70-3	Dibenzo(a,h)anthracene	
		206-44-0	Fluoranthene	
		193-39-5	Indeno(1,2,3-cd)pyrene	
		129-00-0	Pyrene	
	Total LPAHs (calc'd)	91-57-6	2-Methylnaphthalene	If less than 7 components are available for a given sample, the sum is flagged with an "A" qualifier. If less than 3 components are available, the sum is not calculated.
		83-32-9	Acenaphthene	
		208-96-8	Acenaphthylene	
		120-12-7	Anthracene	
		86-73-7	Fluorene	
		91-20-3	Naphthalene	
		85-01-8	Phenanthrene	
	Total PAHs (calc'd)	91-57-6	2-Methylnaphthalene	If less than 17 components are available for a given sample, the sum is flagged with an "A" qualifier.
		83-32-9	Acenaphthene	
		208-96-8	Acenaphthylene	
		120-12-7	Anthracene	
		56-55-3	Benzo(a)anthracene	
		50-32-8	Benzo(a)pyrene	
		205-99-2	Benzo(b)fluoranthene	
		BBJFLANTH	Benzo(b+j)fluoranthene	
		BKBFLANTH	Benzo(b+k)fluoranthene	
		191-24-2	Benzo(g,h,i)perylene	

	Total PAHs (calc'd)	BKJFLANTH	Benzo(j+k)fluoranthene	If less than 10 components are available, the sum is not calculated.
		207-08-9	Benzo(k)fluoranthene	
		218-01-9	Chrysene	
		53-70-3	Dibenzo(a,h)anthracene	
		206-44-0	Fluoranthene	
		86-73-7	Fluorene	
		193-39-5	Indeno(1,2,3-cd)pyrene	
		91-20-3	Naphthalene	
		85-01-8	Phenanthrene	
		129-00-0	Pyrene	
Aroclors	Total PCBs Aroclors (calc'd)	12674-11-2	Aroclor 1016	If less than 7 components are available for a given sample, the sum is flagged with an "A" qualifier. If less than 2 components are available, the sum is not calculated.
		11104-28-2	Aroclor 1221	
		11141-16-5	Aroclor 1232	
		53469-21-9	Aroclor 1242	
		12672-29-6	Aroclor 1248	
		11097-69-1	Aroclor 1254	
		11096-82-5	Aroclor 1260	
		37324-23-5	Aroclor 1262	
		11100-14-4	Aroclor 1268	
		2051-60-7	PCB001	
		2051-61-8	PCB002	
		2051-62-9	PCB003	
		13029-08-8	PCB004	
		PCB004_010	PCB004 & 010	
		16605-91-7	PCB005	
		PCB005_008	PCB005 & 008	
		25569-80-6	PCB006	
		33284-50-3	PCB007	
		PCB007_009	PCB007 & 009	
		34883-43-7	PCB008	
		34883-39-1	PCB009	
		33146-45-1	PCB010	
		2050-67-1	PCB011	
		PCB012_013	PCB012 & 013	
		34883-41-5	PCB014	
		2050-68-2	PCB015	
		38444-78-9	PCB016	
		PCB016_032	PCB016 & 032	
		37680-66-3	PCB017	
		37680-65-2	PCB018	
		PCB018_030	PCB018 & 030	
		38444-73-4	PCB019	
		PCB020_021_033	PCB020 & 021 & 033	
		PCB020_028	PCB020 & 028	
		PCB021_033	PCB021 & 033	
		38444-85-8	PCB022	
		55720-44-0	PCB023	
		55702-45-9	PCB024	
		PCB024_027	PCB024 & 027	
		55712-37-3	PCB025	
		38444-81-4	PCB026	
		PCB026_029	PCB026 & 029	

38444-76-7	PCB027
7012-37-5	PCB028
15862-07-4	PCB029
35693-92-6	PCB030
16606-02-3	PCB031
38444-77-8	PCB032
38444-86-9	PCB033
37680-68-5	PCB034
37680-69-6	PCB035
38444-87-0	PCB036
38444-90-5	PCB037
53555-66-1	PCB038
38444-88-1	PCB039
38444-93-8	PCB040
PCB040_041_071	PCB040 & 041 & 071
PCB041_064_071_	PCB041 & 064 & 071 & 072
36559-22-5	PCB042
PCB042_059	PCB042 & 059
70362-46-8	PCB043
PCB043_049	PCB043 & 049
41464-39-5	PCB044
PCB044_047_065	PCB044 & 047 & 065
70362-45-7	PCB045
PCB045_051	PCB045 & 051
41464-47-5	PCB046
2437-79-8	PCB047
70362-47-9	PCB048
PCB048_074	PCB048 & 074
PCB048_075	PCB048 & 075
41464-40-8	PCB049
PCB049_069	PCB049 & 069
62796-65-0	PCB050
PCB050_053	PCB050 & 053
68194-04-7	PCB051
35693-99-3	PCB052
PCB052_069	PCB052 & 069
41464-41-9	PCB053
15968-05-5	PCB054
74338-24-2	PCB055
41464-43-1	PCB056
PCB056_060	PCB056 & 060
70424-67-8	PCB057
41464-49-7	PCB058
PCB059_062_075	PCB059 & 062 & 075
33025-41-1	PCB060
PCB061_070	PCB061 & 070
PCB061_070_074_	PCB061 & 070 & 074 & 076
54230-22-7	PCB062
74472-34-7	PCB063
52663-58-8	PCB064
33284-54-7	PCB065
32598-10-0	PCB066

PCB_Congeners	Total PCB Congeners (calc'd)	PCB066_076	PCB066 & 076	If less than 150 components are available for a given sample, the sum is flagged with an "A" qualifier. If less than 100 components are available, the sum is not calculated.
		73575-53-8	PCB067	
		73575-52-7	PCB068	
		32598-11-1	PCB070	
		41464-42-0	PCB072	
		74338-23-1	PCB073	
		32690-93-0	PCB074	
		32598-13-3	PCB077	
		70362-49-1	PCB078	
		41464-48-6	PCB079	
		33284-52-5	PCB080	
		70362-50-4	PCB081	
		52663-62-4	PCB082	
		60145-20-2	PCB083	
		PCB083_099	PCB083 & 099	
		52663-60-2	PCB084	
		PCB084_092	PCB084 & 092	
		PCB085_116	PCB085 & 116	
		PCB085_116_117	PCB085 & 116 & 117	
		55312-69-1	PCB086	
		PCB086_087_097_	PCB086 & 087 & 097 & 108 & 119 & 125	
		38380-02-8	PCB087	
		PCB087_117_125	PCB087 & 117 & 125	
		PCB088_091	PCB088 & 091	
		73575-57-2	PCB089	
		68194-07-0	PCB090	
		PCB090_101	PCB090 & 101	
		PCB090_101_113	PCB090 & 101 & 113	
		52663-61-3	PCB092	
		73575-56-1	PCB093	
		PCB093_095_098_	PCB093 & 095 & 098 & 100 & 102	
		73575-55-0	PCB094	
		38379-99-6	PCB095	
		PCB095_098_102	PCB095 & 098 & 102	
		73575-54-9	PCB096	
		41464-51-1	PCB097	
		38380-01-7	PCB099	
		39485-83-1	PCB100	
		37680-73-2	PCB101	
		60145-21-3	PCB103	
		56558-16-8	PCB104	
		32598-14-4	PCB105	
		70424-69-0	PCB106	
		PCB106_118	PCB106 & 118	
		PCB107_109	PCB107 & 109	
		PCB107_124	PCB107 & 124	
		PCB108_112	PCB108 & 112	
		74472-35-8	PCB109	
		38380-03-9	PCB110	
		PCB110_115	PCB110 & 115	
		39635-32-0	PCB111	
		PCB111_115	PCB111 & 115	

74472-36-9	PCB112
68194-10-5	PCB113
74472-37-0	PCB114
31508-00-6	PCB118
56558-17-9	PCB119
68194-12-7	PCB120
56558-18-0	PCB121
76842-07-4	PCB122
65510-44-3	PCB123
70424-70-3	PCB124
57465-28-8	PCB126
39635-33-1	PCB127
38380-07-3	PCB128
PCB128_162	PCB128 & 162
PCB128_166	PCB128 & 166
55215-18-4	PCB129
PCB129_138_160_	PCB129 & 138 & 160 & 163
52663-66-8	PCB130
61798-70-7	PCB131
38380-05-1	PCB132
PCB132_161	PCB132 & 161
35694-04-3	PCB133
PCB133_142	PCB133 & 142
PCB134_143	PCB134 & 143
52744-13-5	PCB135
PCB135_151_154	PCB135 & 151 & 154
38411-22-2	PCB136
35694-06-5	PCB137
35065-28-2	PCB138
PCB138_163_164	PCB138 & 163 & 164
PCB139_140	PCB139 & 140
PCB139_149	PCB139 & 149
59291-64-4	PCB140
52712-04-6	PCB141
41411-61-4	PCB142
68194-14-9	PCB144
74472-40-5	PCB145
51908-16-8	PCB146
PCB146_165	PCB146 & 165
68194-13-8	PCB147
PCB147_149	PCB147 & 149
74472-41-6	PCB148
38380-04-0	PCB149
68194-08-1	PCB150
52663-63-5	PCB151
68194-09-2	PCB152
35065-27-1	PCB153
PCB153_168	PCB153 & 168
60145-22-4	PCB154
33979-03-2	PCB155
38380-08-4	PCB156
PCB156_157	PCB156 & 157

69782-90-7	PCB157
74472-42-7	PCB158
PCB158_160	PCB158 & 160
39635-35-3	PCB159
74472-43-8	PCB161
39635-34-2	PCB162
74472-45-0	PCB164
74472-46-1	PCB165
41411-63-6	PCB166
52663-72-6	PCB167
59291-65-5	PCB168
32774-16-6	PCB169
35065-30-6	PCB170
52663-71-5	PCB171
PCB171_173	PCB171 & 173
52663-74-8	PCB172
68194-16-1	PCB173
38411-25-5	PCB174
40186-70-7	PCB175
52663-65-7	PCB176
52663-70-4	PCB177
52663-67-9	PCB178
52663-64-6	PCB179
35065-29-3	PCB180
PCB180_193	PCB180 & 193
74472-47-2	PCB181
60145-23-5	PCB182
PCB182_187	PCB182 & 187
52663-69-1	PCB183
PCB183_185	PCB183 & 185
74472-48-3	PCB184
52712-05-7	PCB185
74472-49-4	PCB186
52663-68-0	PCB187
74487-85-7	PCB188
39635-31-9	PCB189
41411-64-7	PCB190
74472-50-7	PCB191
74472-51-8	PCB192
69782-91-8	PCB193
35694-08-7	PCB194
52663-78-2	PCB195
42740-50-1	PCB196
PCB196_203	PCB196 & 203
33091-17-7	PCB197
PCB197_200	PCB197 & 200
68194-17-2	PCB198
PCB198_199	PCB198 & 199
52663-75-9	PCB199
52663-73-7	PCB200
40186-71-8	PCB201
2136-99-4	PCB202

		52663-76-0	PCB203	
		74472-52-9	PCB204	
		74472-53-0	PCB205	
		40186-72-9	PCB206	
		52663-79-3	PCB207	
		52663-77-1	PCB208	
		2051-24-3	PCB209	
Dioxins	Total Toxic Dioxins Furans (calc'd)	67562-39-4	1,2,3,4,6,7,8-Heptachlorodibenzofuran	If less than 17 components are available for a given sample, the sum is flagged with an "A" qualifier. If less than 10 components are available, the sum is not calculated.
		35822-46-9	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	
		55673-89-7	1,2,3,4,7,8,9-Heptachlorodibenzofuran	
		70648-26-9	1,2,3,4,7,8-Hexachlorodibenzofuran	
		39227-28-6	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	
		57117-44-9	1,2,3,6,7,8-Hexachlorodibenzofuran	
		57653-85-7	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	
		72918-21-9	1,2,3,7,8,9-Hexachlorodibenzofuran	
		19408-74-3	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	
		57117-41-6	1,2,3,7,8-Pentachlorodibenzofuran	
		40321-76-4	1,2,3,7,8-Pentachlorodibenzo-p-dioxin	
		60851-34-5	2,3,4,6,7,8-Hexachlorodibenzofuran	
		57117-31-4	2,3,4,7,8-Pentachlorodibenzofuran	
		51207-31-9	2,3,7,8-Tetrachlorodibenzofuran	
		1746-01-6	2,3,7,8-Tetrachlorodibenzo-p-dioxin	
		39001-02-0	Octachlorodibenzofuran	
		3268-87-9	Octachlorodibenzo-p-dioxin	
Pesticides	Sum DDD (calc'd)	53-19-0	2,4'-DDD	If less than 2 components are available, the sum is flagged with an "A" qualifier.
		72-54-8	4,4'-DDD	
	Sum DDE (calc'd)	3424-82-6	2,4'-DDE	If less than 2 components are available, the sum is flagged with an "A" qualifier.
		72-55-9	4,4'-DDE	
	Sum DDT (calc'd)	789-02-6	2,4'-DDT	If less than 2 components are available, the sum is flagged with an "A" qualifier.
		50-29-3	4,4'-DDT	
	Total DDTs (calc'd)	53-19-0	2,4'-DDD	If less than 6 components are available, the sum is flagged with an "A" qualifier.
		3424-82-6	2,4'-DDE	
		789-02-6	2,4'-DDT	
		72-54-8	4,4'-DDD	
		72-55-9	4,4'-DDE	
		50-29-3	4,4'-DDT	
	Total Chlordane (calc'd)	5103-71-9	cis-Chlordane	"Chlordane (cis & trans)" is redundant for samples from non-LWG tasks WLCOFH02, WLCOFJ02, and WLCDRD05, and will be excluded from the sum. If less than 5 components are available, the sum is flagged with an "A" qualifier.
		5103-73-1	cis-Nonachlor	
		27304-13-8	Oxychlordane	
		5103-74-2	trans-Chlordane	
		39765-80-5	trans-Nonachlor	
	Total Endosulfan (calc'd)	959-98-8	alpha-Endosulfan	If less than 3 components are available, the sum is flagged with an "A" qualifier.
		33213-65-9	beta-Endosulfan	
		1031-07-8	endosulfan sulfate	
VOCs	Total Xylenes (calc'd)	179601-23-1	m,p-Xylene	If less than 2 components are available, the sum is flagged with an "A" qualifier.
		95-47-6	o-Xylene	
		1330-20-7	Xylene	
		DRH	Diesel Range Hydrocarbons	If less than 2 components are available, the sum is
		GRH	Gasoline Range Hydrocarbons	

Petroleum	Total Petroleum Hydrocarbons (calc'd)	68782-97-8	Lube Oil	If less than 2 components are available, the sum is flagged with an "A" qualifier.
		M09800000	Motor Oil	
		RRH	Residual Range Hydrocarbons	
Grainsize	Total % Fines (calc'd)	GS_FCLAY	>10 Phi clay	
		GS_MFCLAY	>9 Phi clay	
		GS_CCLAY	8-9 Phi clay	
		GS_MCLAY	9-10 Phi clay	
		GS_CLAY	Clay	
		GS_CSILT	Coarse silt	
		GS_FSILT	Fine silt	
		GS_MSILT	Medium silt	
		GS_SILT	Silt	
		GS_VFSILT	Very fine silt	

BERA TEQ components and TEFs

TEQ calculation rules:

If at least one TEQ constituent for a given sample is detected, sum the following:

a) If an analyte is detected (D), use D multiplied by the TEF in the sum

b) If an analyte is not detected (ND), but determined to be present*, use ½ DL multiplied by the TEF in the sum

c) If an analyte is ND, and determined not to be present*, use 0 in sum

If all analytes used to create a TEQ are ND, report the max toxicity-weighted DL as the TEQ, and flag result as ND (U-qualified)

* BERA media assessed for detection status include benthic tissue (all species examined collectively), fish tissue (all species examined collectively), sediment, surface water, and transition zone water

Note: all components must be available in order for a TEQ to be calculated.

Group	Receptor	Chemical name	cas_rn	TEF_value	Reference
Dioxins_Furans	Dioxin TEQ - Birds	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	0.01	WHO 1998
		1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	0.001	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	0.01	
		1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	0.1	
		1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	0.05	
		1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	0.1	
		1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	0.01	
		1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	0.1	
		1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	0.1	
		1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	0.1	
		1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	1	
		2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	0.1	
		2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	1	
		2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	1	
		2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	1	
		Octachlorodibenzofuran	39001-02-0	0.0001	
		Octachlorodibenzo-p-dioxin	3268-87-9	0.0001	
	Dioxin TEQ - Fish	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	0.01	WHO 1998
		1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	0.001	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	0.01	
		1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	0.1	
		1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	0.5	
		1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	0.1	
		1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	0.01	
		1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	0.1	
		1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	0.01	
		1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	0.05	
		1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	1	
		2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	0.1	
		2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	0.5	
		2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	0.05	
		2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	1	
		Octachlorodibenzofuran	39001-02-0	0.0001	
		Octachlorodibenzo-p-dioxin	3268-87-9	0.0001	
		1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	0.01	
		1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	0.01	
		1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	0.01	

	Dioxin TEQ - Mammals	1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	0.1	WHO 2005
		1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	0.1	
		1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	0.1	
		1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	0.1	
		1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	0.1	
		1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	0.1	
		1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	0.03	
		1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	1	
		2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	0.1	
		2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	0.3	
		2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	0.1	
		2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	1	
		Octachlorodibenzofuran	39001-02-0	0.0003	
		Octachlorodibenzo-p-dioxin	3268-87-9	0.0003	
PCB_Congeners	PCB TEQ - Birds	PCB077	32598-13-3	0.05	WHO 1998
		PCB081	70362-50-4	0.1	
		PCB105	32598-14-4	0.0001	
		PCB106 & 118	PCB106_118	0.00001	
		PCB114	74472-37-0	0.0001	
		PCB118	31508-00-6	0.00001	
		PCB123	65510-44-3	0.00001	
		PCB126	57465-28-8	0.1	
		PCB156	38380-08-4	0.0001	
		PCB156 & 157	PCB156_157	0.0001	
		PCB157	69782-90-7	0.0001	
		PCB167	52663-72-6	0.00001	
		PCB169	32774-16-6	0.001	
		PCB189	39635-31-9	0.00001	
	PCB TEQ - Fish	PCB077	32598-13-3	0.0001	WHO 1998
		PCB081	70362-50-4	0.0005	
		PCB105	32598-14-4	0.000005	
		PCB106 & 118	PCB106_118	0.000005	
		PCB114	74472-37-0	0.000005	
		PCB118	31508-00-6	0.000005	
		PCB123	65510-44-3	0.000005	
		PCB126	57465-28-8	0.005	
		PCB156	38380-08-4	0.000005	
		PCB156 & 157	PCB156_157	0.000005	
		PCB157	69782-90-7	0.000005	
		PCB167	52663-72-6	0.000005	
		PCB169	32774-16-6	0.00005	
		PCB189	39635-31-9	0.000005	
	PCB TEQ - Mammals	PCB077	32598-13-3	0.0001	WHO 2005
		PCB081	70362-50-4	0.0003	
		PCB105	32598-14-4	0.00003	
		PCB106 & 118	PCB106_118	0.00003	
		PCB114	74472-37-0	0.00003	
		PCB118	31508-00-6	0.00003	
		PCB123	65510-44-3	0.00003	
		PCB126	57465-28-8	0.1	
		PCB156	38380-08-4	0.00003	
		PCB156 & 157	PCB156_157	0.00003	

		PCB157	69782-90-7	0.00003	
		PCB167	52663-72-6	0.00003	
		PCB169	32774-16-6	0.03	
		PCB189	39635-31-9	0.00003	
Dioxins_Furans_PCBs	Total TEQ - Birds	[sum of all weighted components from PCB TEQ - Birds and Dioxin TEQ - Birds]			WHO 1998
	Total TEQ - Fish	[sum of all weighted components from PCB TEQ - Fish and Dioxin TEQ - Fish]			WHO 1998
	Total TEQ - Mammals	[sum of all weighted components from PCB TEQ - Mammals and Dioxin TEQ - Mammals]			WHO 2005