MEDIA CONCENTRATIONS OF COPCS

INTENTIONALLY LEFT BLANK

CONCENTRATIONS OF COPCS IN SOIL FOR EACH EXPOSURE SCENARIO

		Soil Loss Constants							Soil Concentrations					
		Due to Leaching	Due to Erosion	Due to Runoff	Due to Degradation	Due to Volatilization	Due to All Processes	Deposition Term	Highest Annual Average Soil Concentration	Soil Concentration Averaged Over 30 Year Exposure Duration	Soil Concentration Averaged Over 40 Year Exposure Duration	Soil Concentration Averaged Over 25 Year Exposure Duration	Soil Concentration Averaged Over 5 Year Exposure Duration	Soil Concentration Averaged Over 1 Year Exposure Duration
		(yr^{-1})	(yr^{-1})	(yr^{-1})	(yr^{-1})	(yr^{-1})	(yr^{-1})	(mg COPC/kg soil-yr)	(mg COPC/kg soil)[a]	(mg COPC/kg soil)	(mg COPC/kg soil)	(mg COPC/kg soil)	(mg COPC/kg soil)	(mg COPC/kg soil)
COPC	CAS No.	ksl	kse	ksr	ksg	ksv	ks	Ds	Cs_{ID}	Cs	Cs	Cs	Cs	Cs
1,1,1,2-tetrachloroethane	630-20-6	0.00	0	0.14	3.78	3,009.49	3,013.41	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00	0	1.20	0.93	316,709.81	316,711.94	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0.00	0	1.31	5.75	6,676.12	6,683.18	2.45E-04	3.67E-08	6.12E-09	4.59E-09	7.35E-09	3.67E-08	3.67E-08
1,1-dichloroethane	75-34-3	0.00	0	2.19	1.64	363,899.42	363,903.25	3.60E-05	9.89E-11	1.65E-11	1.24E-11	1.98E-11	9.89E-11	9.89E-11
1,1-dichloroethene	75-35-4	0.00	0	1.67	1.41	1,024,649.40	1,024,652.48	7.58E-11	7.40E-17	1.23E-17	9.24E-18	1.48E-17	7.40E-17	7.40E-17
1,2,3-trichlorobenzene	87-61-6	0.00	0	0.02	0	3.40	3.43	2.30E-07	6.71E-08	1.12E-08	8.39E-09	1.34E-08	6.32E-08	6.32E-08
1,2,4-trichlorobenzene	120-82-1	0.00	0	0.11	1.41	613.04	614.56	1.31E-13	2.14E-16	3.56E-17	2.67E-17	4.28E-17	2.14E-16	2.14E-16
1,2,4-trimethyl benzene	95-63-6	0.00	0	0.05	9.03	2,814.64	2,823.72	6.63E-06	2.35E-09	3.91E-10	2.93E-10	4.69E-10	2.35E-09	2.35E-09
1,2-bis(ethylthio)-ethene	13105-10-7	0.00	0	0.06	0	74.91	74.97	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00	0	0.07	0	52.33	52.40	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0.00	0	0.11	1.41	1,817.62	1,819.14	2.53E-13	1.39E-16	2.32E-17	1.74E-17	2.79E-17	1.39E-16	1.39E-16
1,2-dichlorobutane	616-21-7	0.00	0	0.22	0	47,647.76	47,647.98	9.88E-04	2.07E-08	3.45E-09	2.59E-09	4.15E-09	2.07E-08	2.07E-08
1,2-dichloroethane	107-06-2	0.00	0	2.51	1.41	153,014.31	153,018.24	3.65E-02	2.38E-07	3.97E-08	2.98E-08	4.77E-08	2.38E-07	2.38E-07
1,2-dichloropropane	78-87-5	0.00	0	1.90	0.2	127,838.88	127,840.97	6.11E-07	4.78E-12	7.96E-13	5.97E-13	9.55E-13	4.78E-12	4.78E-12
1,3-dichlorobenzene	541-73-1	0.00	0	0.05	1.41	1,326.14	1,327.60	2.26E-13	1.70E-16	2.84E-17	2.13E-17	3.41E-17	1.70E-16	1.70E-16
1,4-dichlorobenzene	106-46-7	0.00	0	0.32	1.41	7,251.36	7,253.09	2.52E-13	3.48E-17	5.79E-18	4.34E-18	6.95E-18	3.48E-17	3.48E-17
1,4-dioxane	123-91-1	0.00	0	2.95	1.41	5,775.87	5,780.23	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0.00	0	1.17	0	87.50	88.66	1.18E-02	1.33E-04	2.22E-05	1.66E-05	2.66E-05	1.33E-04	1.33E-04
1,4-oxathiane	15980-15-1	0.00	0	2.59	0	810.40	812.99	1.27E-02	1.57E-05	2.61E-06	1.96E-06	3.14E-06	1.57E-05	1.57E-05
1-chlorobutane	109-69-3	0.00	0	0.26	0	55,141.48	55,141.74	3.97E-08	7.20E-13	1.20E-13	9.00E-14	1.44E-13	7.20E-13	7.20E-13
1-hexene	592-41-6	0.00	0	0.07	0	370,164.29	370,164.37	1.36E-05	3.69E-11	6.14E-12	4.61E-12	7.37E-12	3.69E-11	3.69E-11
2,2-dimethyl-trans-thiirane	3772-13-2	0.00	0	0.73	0	6,849.21	6,849.94	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00	0	0.17	0	6,382.72	6,382.89	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00	0	0.84	1.41	0.00	2.25	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0.00	0	1.00	3.61	0.58	5.19	4.68E-14	9.02E-15	1.50E-15	1.13E-15	1.80E-15	8.67E-15	8.67E-15
2,4-dinitrotoluene	121-14-2	0.00	0	0.42	1.41	1.12	2.95	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00	0	0.68	1.41	0.08	2.17	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0.00	0	1.00	36.14	819.86	857.00	1.36E-04	1.59E-07	2.65E-08	1.99E-08	3.18E-08	1.59E-07	1.59E-07
2-chlorobutane	78-86-4	0.00	0	0.43	0	140,204.32	140,204.75	1.65E-04	1.18E-09	1.97E-10	1.47E-10	2.36E-10	1.18E-09	1.18E-09
2-chloroethoxyethane	112-26-5	0.00	0	1.35	0	13.22	14.57	1.84E-03	1.26E-04	2.10E-05	1.58E-05	2.52E-05	1.24E-04	1.24E-04
2-ethyl 1,3-butadiene	3404-63-5	0.00	0	0.13	0	402,555.36	402,555.49	3.02E-06	7.51E-12	1.25E-12	9.38E-13	1.50E-12	7.51E-12	7.51E-12
2-hexanone	591-78-6	0.00	0	1.17	0	1,873.75	1,874.91	4.83E-05	2.58E-08	4.30E-09	3.22E-09	5.15E-09	2.58E-08	2.58E-08
2-methyl phenol	95-48-7	0.00	0	0.44	36.14	5.62	42.20	1.20E-12	2.83E-14	4.72E-15	3.54E-15	5.67E-15	2.82E-14	2.82E-14
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00	0	0.33	0	17.35	17.68	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00	0	0.11	0	6.84	6.95	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00	0	2.59	0	810.40	812.99	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0.00	0	0.01	0	30.46	30.46	7.90E-13	2.59E-14	4.32E-15	3.24E-15	5.18E-15	2.57E-14	2.57E-14
3-methyl phenol	108-39-4	0.00	0	0.43	8.72	3.96	13.11	3.38E-07	2.58E-08	4.30E-09	3.22E-09	5.16E-09	2.54E-08	2.54E-08
4-methyl phenol	106-44-5	0.00	0	0.03	379.42	0.26	379.71	3.38E-07	8.90E-10	1.48E-10	1.11E-10	1.78E-10	8.90E-10	8.90E-10
4-methyl-2-pentanone	108-10-1	0.00	0	0.18	36.14	250.79	287.11	2.03E-05	7.09E-08	1.18E-08	8.86E-09	1.42E-08	7.08E-08	7.08E-08
acenaphthylene	208-96-8	0.00	0	0.01	4.9355122	3.52	8.46	2.08E-13	2.45E-14	4.09E-15	3.07E-15	4.91E-15	2.40E-14	2.40E-14
acetaldehyde	75-07-0	0.00	0	3.04	0	85,681.71	85,684.75	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0.00	0	1.92	36.14	2,920.84	2,958.90	7.32E-04	2.47E-07	4.12E-08	3.09E-08	4.95E-08	2.47E-07	2.47E-07
acetylene	74-86-2	0.00	0	2.70	0	10,485,529.34	10,485,532.04	5.31E-06	5.06E-13	8.44E-14	6.33E-14	1.01E-13	5.06E-13	5.06E-13
acrolein	107-02-8	0.00	0	1.49	9.03	4,413.87	4,424.40	2.07E-05	4.67E-09	7.79E-10	5.84E-10	9.35E-10	4.67E-09	4.67E-09
alpha-methylstyrene	98-83-9	0.00	0	0.06	0	1,549.84	1,549.90	7.95E-06	5.13E-09	8.55E-10	6.41E-10	1.03E-09	5.13E-09	5.13E-09
benzene	71-43-2	0.00	0	1.67	15.81	215,789.41	215,806.89	6.56E-06	3.04E-11	5.07E-12	3.80E-12	6.08E-12	3.04E-11	3.04E-11
bis(2-chloroisopropyl) ether	108-60-1	0.00	0	0.11	0	13.39	13.50	2.70E-13	2.00E-14	3.34E-15	2.50E-15	4.01E-15	1.97E-14	1.97E-14
carbon disulfide	75-15-0	0.00	0	1.89	0	1,801,581.36	1,801,583.25	7.69E-05	4.27E-11	7.12E-12	5.34E-12	8.54E-12	4.27E-11	4.27E-11
chlorobenzene	108-90-7	0.00	0	0.74	1.69	32,256.15	32,258.58	4.18E-12	1.30E-16	2.16E-17	1.62E-17	2.59E-17	1.30E-16	1.30E-16
chloroethane	75-00-3	0.00	0	2.56	9.03	3,915,999.82	3,916,011.41	2.28E-04	5.82E-11	9.70E-12	7.28E-12	1.16E-11	5.82E-11	5.82E-11
chloroform	67-66-3	0.00	0	1.98	1.41	252,746.85	252,750.25	2.32E-05	9.19E-11	1.53E-11	1.15E-11	1.84E-11	9.19E-11	9.19E-11
chloromethane	74-87-3	0.00	0	2.19	9.03	973,259.29	973,270.51	3.77E-05	3.87E-11	6.46E-12	4.84E-12	7.75E-12	3.87E-11	3.87E-11
chloromethoxyethane	3188-13-4	0.00	0	2.19	0	32,470.00	32,472.19	1.04E-02	3.22E-07	5.36E-08	4.02E-08	6.43E-08	3.22E-07	3.22E-07
cis-1,2-dichloroethene	156-59-2	0.00	0	2.07	0	3,034.35	3,036.43	2.45E-10	8.08E-14	1.35E-14	1.01E-14	1.62E-14	8.08E-14	8.08E-14
dichlorodifluoromethane	75-71-8	0.00	0	0.56	1.41	29,069.87	29,071.84	1.43E-09	4.92E-14	8.20E-15	6.15E-15	9.84E-15	4.92E-14	4.92E-14
diethyl ether	60-29-7	0.00	0	1.98	0	13,611.42	13,613.40	2.00E-05	1.47E-09	2.45E-10	1.84E-10	2.94E-10	1.47E-09	1.47E-09
diethyl phthalate	84-66-2	0.00	0	0.01	4.52	0.00	4.53	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00	0	0.00	11	0.00	11.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00	0	0.02	14.454	0.32	14.79	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0.00	0	0.93	0	16,092,250.18	16,092,251.12	4.56E-04	2.83E-11	4.72E-12	3.54E-12	5.67E-12	2.83E-11	2.83E-11
ethanol	64-17-5	0.00	0	3.06	456.442105	6,514.27	6,973.77	2.74E-07	3.93E-11	6.55E-12	4.91E-12	7.86E-12	3.93E-11	3.93E-11
ethene	74-85-1	0.00	0	1.90	9.03	27,422,070.08	27,422,081.01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00	0	0.00	0	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0.00	0	0.49	25.29	42,648.74	42,674.52	9.54E-05	2.24E-09	3.73E-10	2.80E-10	4.47E-10	2.24E-09	2.24E-09
HD	505-60-2	0.00	0	0.17	23349	48.17	23,397.34	6.24E-05	2.67E-09	4.45E-10	3.34E-10	5.34E-10	2.67E-09	2.67E-09
hexachlorobutadiene	87-68-3	0.00	0	0.00	1.41	3.14	4.55	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00	0	0.03	1.41	32.95	34.38	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0.00	0	0.03	0	624,969.56	624,969.58	1.43E-05	2.29E-11	3.82E-12	2.86E-12	4.58E-12	2.29E-11	2.29E-11
methane	74-82-8	0.00	0	1.92	0	118,827,923.45	118,827,925.37	1.32E-04	1.11E-12	1.86E-13	1.39E-13	2.23E-13	1.11E-12	1.11E-12
methyl tert-butyl ether	1634-04-4	0.00	0	1.98	1.41	37,013.49	37,016.88	5.30E-05	1.43E-09	2.39E-10	1.79E-10	2.86E-10	1.43E-09	1.43E-09
methylene chloride	75-09-2	0.00	0	2.69	9.03	486,489.52	486,501.24	1.21E-04	2.48E-10	4.14E-11	3.10E-11	4.96E-11	2.48E-10	2.48E-10
monoethanolamine	141-43-5	0.00	0	3.16	0	405.53	408.70	1.82E-05	4.44E-08	7.41E-09	5.56E-09	8.89E-09	4.44E-08	4.44E-08
naphthalene	91-20-3	0.00	0	0.00	5.27	4.96	10.23	3.08E-07	3.01E-08	5.02E-09	3.77E-09	6.03E-09	2.95E-08	2.95E-08
nitrobenzene	98-95-3	0.00	0	0.32	1.28	80.54	82.14	4.93E-14	6.00E-16	1.00E-16	7.50E-17	1.20E-16	5.99E-16	5.99E-16
nitroglycerin	55-63-0	0.00	0	0.97	0	0.02	0.99	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0.00	0	0.00	0	90,175.68	90,175.68	3.18E-05	3.53E-10	5.88E-11	4.41E-11	7.06E-11	3.53E-10	3.53E-10
pentane	109-66-0	0.00	0	0.07	0	1,247,856.98	1,247,857.05	3.45E-05	2.76E-11	4.60E-12	3.45E-12	5.52E-12	2.76E-11	2.76E-11
phenanthrene	85-01-8	0.00	0	0.00	1.26	0.00	1.26	7.31E-14	5.79E-14	9.66E-15	7.25E-15	1.16E-14	4.88E-14	4.88E-14
phenol	108-95-2	0.00	0	0.09	25.29	0.39	25.78	2.49E-12	9.65E-14	1.61E-14	1.21E-14	1.93E-14	9.57E-14	9.57E-14
propene	115-07-1	0.00	0	0.98	9.03	5,389,830.99	5,389,841.00	4.24E-05	7.87E-12	1.31E-12	9.84E-13	1.57E-12	7.87E-12	7.87E-12
styrene	100-42-5	0.00	0	0.00	9.03	83.94	92.98	3.94E-11	4.24E-13	7.06E-14	5.30E-14	8.48E-14	4.23E-13	4.23E-13
tert-butyl alcohol	75-65-0	0.00	0	2.76	1.26	2,567.93	2,571.95	2.62E-05	1.02E-08	1.70E-09	1.28E-09	2.04E-09	1.02E-08	1.02E-08
tetracene	92-24-0	0.00	0	0.00	0	0.00	0.00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0.00	0	0.95	0.7	219,676.70	219,678.35	2.70E-04	1.23E-09	2.05E-10	1.53E-10	2.46E-10	1.23E-09	1.23E-09
tetryl	479-45-8	0.00	0	0.78	0	0.02	0.79	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0.00	0	2.19	0	37,573.98	37,576.17	2.60E-05	6.93E-10	1.16E-10	8.66E-11	1.39E-10	6.93E-10	6.93E-10
thiodiglycol	111-48-8	0.00	0	3.13	0	3.74	6.87	8.09E-05	1.18E-05	1.96E-06	1.47E-06	2.36E-06	1.14E-05	1.14E-05
toluene	108-88-3	0.00	0	0.86	11.5	83,811.07	83,823.42	1.25E-04	1.49E-09	2.49E-10	1.87E-10	2.99E-10	1.49E-09	1.49E-09
trans-1,2-dichloroethene	156-60-5	0.00	0	1.81	0	347,235.29	347,237.10	1.05E-10	3.02E-16	5.04E-17	3.78E-17	6.04E-17	3.02E-16	3.02E-16
trichloroethene	79-01-6	0.00	0	0.91	0.7	125,792.23	125,793.85	1.15E-04	9.17E-10	1.53E-10	1.15E-10	1.83E-10	9.17E-10	9.17E-10
vinyl chloride	75-01-4	0.00	0	2.49	1.41	4,064,513.63	4,064,517.52	1.42E-02	3.50E-09	5.84E-10	4.38E-10	7.01E-10	3.50E-09	3.50E-09
xylenes	1330-20-7	0.00	0	0.11	9.03	7,772.27	7,781.41	2.81E-04	3.61E-08	6.02E-09	4.52E-09	7.23E-09	3.61E-08	3.61E-08
aluminum	7429-90-5	0.00	0	0.04	0	27,452.55	27,452.59	3.06E-07	1.12E-11	1.86E-12	1.39E-12	2.23E-12	1.12E-11	1.12E-11
ammonia	7664-41-7	0.00	0	2.82	0	14,284.38	14,287.20	1.29E-01	9.00E-06	1.50E-06	1.13E-06	1.80E-06	9.00E-06	9.00E-06
arsenic	7440-38-2	0.00	0	0.01	0	107,708.68	107,708.70	7.03E-09	6.53E-14	1.09E-14	8.16E-15	1.31E-14	6.53E-14	6.53E-14
cadmium	7440-43-9	0.00	0	0.01	0	1,683.23	1,683.23	3.52E-09	2.09E-12	3.49E-13	2.61E-13	4.18E-13	2.09E-12	2.09E-12
chlorine	7782-50-5	0.00	0	1.10	0	2,459.16	2,460.26	7.94E-03	3.23E-06	5.38E-07	4.03E-07	6.46E-07	3.23E-06	3.23E-06
copper	7440-50-8	0.00	0	0.00	0	357.39	357.39	7.43E-08	2.08E-10	3.46E-11	2.60E-11	4.16E-11	2.08E-10	2.08E-10
hydrogen chloride	7647-01-0	0.00	0	2.56	0	12,667.60	12,670.15	9.26E-03	7.31E-07	1.22E-07	9.14E-08	1.46E-07	7.31E-07	7.31E-07
hydrogen cyanide	74-90-8	0.00	0	3.05	0	258,273.48	258,276.52	1.27E-06	4.91E-12	8.18E-13	6.13E-13	9.82E-13	4.91E-12	4.91E-12
lead	7439-92-1	0.00	0	0.00	0	112.68	112.68	2.70E-08	2.39E-10	3.99E-11	2.99E-11	4.79E-11	2.39E-10	2.39E-10
nickel	7440-02-0	0.00	0	0.01	0	1,560.22	1,560.22	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	0.00	0	0.05	0	11,974.19	11,974.24	1.60E-10	1.33E-14	2.22E-15	1.67E-15	2.67E-15	1.33E-14	1.33E-14

CONCENTRATIONS OF COPCS IN PRODUCE FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS:								
Adult Resident and Adult Subsistence Fisher Exposure Scenarios								
		Aboveground Produce - Individual Uptake Mechanisms			Exposed Produce	Protected Produce	Belowground Produce	
		Due to Direct Deposition	Due to Air-to-Plant Transfer	Due to Direct Uptake from Soil	Due to All Processes	Due to All Processes	Due to Direct Uptake from Soil	Due to All Processes
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
COPC	CAS Number	Pd	Pv	Pr	P_{ab}	P_p	Pr_{bg}	P_{bg}
1,1,1,2-tetrachloroethane	630-20-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0	2.48E-09	9.73E-09	1.22E-08	9.73E-09	5.28E-07	5.28E-07
1,1-dichloroethane	75-34-3	0	4.79E-12	5.82E-11	6.30E-11	5.82E-11	3.30E-09	3.30E-09
1,1-dichloroethene	75-35-4	0	3.93E-18	2.92E-17	3.31E-17	2.92E-17	9.88E-16	9.88E-16
1,2,3-trichlorobenzene	87-61-6	0	3.62E-13	1.98E-09	1.98E-09	1.98E-09	1.77E-09	1.77E-09
1,2,4-trichlorobenzene	120-82-1	0	1.34E-17	6.74E-18	2.01E-17	6.74E-18	2.76E-15	2.76E-15
1,2,4-trimethyl benzene	95-63-6	0	3.67E-11	1.21E-10	1.58E-10	1.21E-10	6.32E-09	6.32E-09
1,2-bis(ethylthio)-ethene	13105-10-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0	4.15E-18	1.00E-17	1.42E-17	1.00E-17	5.70E-16	5.70E-16
1,2-dichlorobutane	616-21-7	0	3.65E-10	3.49E-09	3.85E-09	3.49E-09	5.84E-08	5.84E-08
1,2-dichloroethane	107-06-2	0	1.12E-08	2.09E-07	2.20E-07	2.09E-07	1.09E-05	1.09E-05
1,2-dichloropropane	78-87-5	0	2.81E-13	2.15E-12	2.43E-12	2.15E-12	7.12E-11	7.12E-11
1,3-dichlorobenzene	541-73-1	0	3.89E-18	9.14E-18	1.30E-17	9.14E-18	4.58E-16	4.58E-16
1,4-dichlorobenzene	106-46-7	0	4.37E-18	2.13E-18	6.50E-18	2.13E-18	5.55E-16	5.55E-16
1,4-dioxane	123-91-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0	6.79E-07	1.37E-04	1.38E-04	1.37E-04	8.67E-04	8.67E-04
1,4-oxathiane	15980-15-1	0	8.31E-08	5.00E-05	5.01E-05	5.00E-05	6.01E-04	6.01E-04
1-chlorobutane	109-69-3	0	1.46E-14	1.38E-13	1.53E-13	1.38E-13	2.03E-12	2.03E-12
1-hexene	592-41-6	0	1.29E-12	2.64E-12	3.93E-12	2.64E-12	1.00E-10	1.00E-10
2,2-dimethyl-trans-thiirane	3772-13-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0	1.40E-16	1.23E-15	1.37E-15	1.23E-15	2.06E-13	2.06E-13
2,4-dinitrotoluene	121-14-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0	4.50E-11	2.22E-07	2.22E-07	2.22E-07	6.12E-07	6.12E-07
2-chlorobutane	78-86-4	0	1.99E-11	3.42E-10	3.62E-10	3.42E-10	3.39E-09	3.39E-09
2-chloroethoxyethane	112-26-5	0	5.19E-07	1.48E-04	1.49E-04	1.48E-04	9.98E-04	9.98E-04
2-ethyl 1,3-butadiene	3404-63-5	0	2.09E-13	8.13E-13	1.02E-12	8.13E-13	2.08E-11	2.08E-11
2-hexanone	591-78-6	0	9.52E-11	2.65E-08	2.66E-08	2.65E-08	1.68E-07	1.68E-07
2-methyl phenol	95-48-7	0	9.30E-16	1.37E-14	1.46E-14	1.37E-14	7.80E-14	7.80E-14
2-methyl-1,3-dithiacyclopentane	5616-51-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0	1.54E-16	9.83E-16	1.14E-15	9.83E-16	1.51E-14	1.51E-14
3-methyl phenol	108-39-4	0	4.57E-10	1.23E-08	1.27E-08	1.23E-08	6.98E-08	6.98E-08
4-methyl phenol	106-44-5	0	4.33E-10	4.58E-10	8.91E-10	4.58E-10	1.61E-10	1.61E-10
4-methyl-2-pentanone	108-10-1	0	2.64E-11	9.26E-08	9.26E-08	9.26E-08	4.43E-08	4.43E-08
acenaphthylene	208-96-8	0	2.24E-16	8.37E-16	1.06E-15	8.37E-16	1.38E-14	1.38E-14
acetaldehyde	75-07-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0	8.19E-11	3.45E-07	3.46E-07	3.45E-07	3.06E-06	3.06E-06
acetylene	74-86-2	0	7.80E-13	7.07E-13	1.49E-12	7.07E-13	3.15E-12	3.15E-12
acrolein	107-02-8	0	7.82E-13	6.53E-09	6.53E-09	6.53E-09	3.40E-08	3.40E-08
alpha-methylstyrene	98-83-9	0	7.34E-11	3.25E-10	3.98E-10	3.25E-10	1.39E-08	1.39E-08
benzene	71-43-2	0	1.93E-12	1.20E-11	1.39E-11	1.20E-11	4.06E-10	4.06E-10
bis(2-chloroisopropyl) ether	108-60-1	0	1.35E-18	4.04E-15	4.04E-15	4.04E-15	2.16E-14	2.16E-14
carbon disulfide	75-15-0	0	2.62E-12	1.47E-11	1.74E-11	1.47E-11	8.99E-10	8.99E-10
chlorobenzene	108-90-7	0	8.48E-18	2.01E-17	2.86E-17	2.01E-17	1.63E-15	1.63E-15
chloroethane	75-00-3	0	3.73E-12	5.83E-11	6.21E-11	5.83E-11	2.76E-09	2.76E-09
chloroform	67-66-3	0	6.28E-12	4.14E-11	4.76E-11	4.14E-11	1.54E-09	1.54E-09
chloromethane	74-87-3	0	2.88E-13	5.41E-11	5.44E-11	5.41E-11	8.04E-10	8.04E-10
chloromethoxyethane	3188-13-4	0	1.81E-09	7.06E-07	7.08E-07	7.06E-07	6.50E-06	6.50E-06
cis-1,2-dichloroethene	156-59-2	0	4.94E-17	4.16E-14	4.17E-14	4.16E-14	2.48E-12	2.48E-12
dichlorodifluoromethane	75-71-8	0	6.50E-18	1.80E-14	1.80E-14	1.80E-14	1.42E-13	1.42E-13
diethyl ether	60-29-7	0	6.39E-11	2.90E-09	2.96E-09	2.90E-09	2.27E-08	2.27E-08
diethyl phthalate	84-66-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0	5.58E-13	1.64E-11	1.70E-11	1.64E-11	1.78E-10	1.78E-10
ethanol	64-17-5	0	2.00E-13	3.83E-10	3.83E-10	3.83E-10	8.50E-09	8.50E-09
ethene	74-85-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0	1.13E-10	2.33E-10	3.46E-10	2.33E-10	2.89E-08	2.89E-08
HD	505-60-2	0	3.26E-09	6.98E-10	3.95E-09	6.98E-10	3.17E-09	3.17E-09
hexachlorobutadiene	87-68-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0	5.26E-13	8.40E-13	1.37E-12	8.40E-13	6.08E-11	6.08E-11
methane	74-82-8	0	2.28E-14	1.69E-12	1.71E-12	1.69E-12	1.69E-11	1.69E-11
methyl tert-butyl ether	1634-04-4	0	4.21E-12	2.65E-09	2.65E-09	2.65E-09	2.25E-08	2.25E-08
methylene chloride	75-09-2	0	1.18E-11	2.84E-10	2.95E-10	2.84E-10	1.49E-08	1.49E-08
monoethanolamine	141-43-5	0	3.01E-09	6.21E-08	6.51E-08	6.21E-08	1.19E-05	1.19E-05
naphthalene	91-20-3	0	2.01E-11	2.41E-09	2.43E-09	2.41E-09	1.35E-09	1.35E-09
nitrobenzene	98-95-3	0	1.50E-18	3.30E-16	3.32E-16	3.30E-16	1.05E-15	1.05E-15
nitroglycerin	55-63-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0	1.51E-13	2.35E-12	2.50E-12	2.35E-12	8.78E-12	8.78E-12
pentane	109-66-0	0	5.21E-13	1.98E-12	2.50E-12	1.98E-12	7.53E-11	7.53E-11
phenanthrene	85-01-8	0	1.54E-17	9.37E-16	9.53E-16	9.37E-16	1.77E-17	1.77E-17
phenol	108-95-2	0	1.92E-15	8.46E-14	8.65E-14	8.46E-14	3.52E-14	3.52E-14
propene	115-07-1	0	7.72E-14	4.81E-12	4.89E-12	4.81E-12	5.10E-11	5.10E-11
styrene	100-42-5	0	1.79E-16	5.04E-14	5.06E-14	5.04E-14	2.79E-14	2.79E-14
tert-butyl alcohol	75-65-0	0	3.19E-11	4.13E-08	4.14E-08	4.13E-08	5.73E-07	5.73E-07
tetracene	92-24-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0	5.48E-10	8.59E-11	6.34E-10	8.59E-11	6.36E-08	6.36E-08
tetryl	479-45-8	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0	5.23E-12	1.52E-09	1.53E-09	1.52E-09	1.40E-08	1.40E-08
thiodiglycol	111-48-8	0	8.26E-08	1.76E-04	1.76E-04	1.76E-04	6.26E-03	6.26E-03
toluene	108-88-3	0	6.65E-11	2.66E-10	3.33E-10	2.66E-10	1.93E-08	1.93E-08
trans-1,2-dichloroethene	156-60-5	0	1.51E-17	1.19E-16	1.34E-16	1.19E-16	4.84E-15	4.84E-15
trichloroethene	79-01-6	0	3.26E-11	2.43E-10	2.76E-10	2.43E-10	7.59E-09	7.59E-09
vinyl chloride	75-01-4	0	8.10E-11	3.51E-09	3.59E-09	3.51E-09	1.43E-07	1.43E-07
xylenes	1330-20-7	0	4.56E-10	3.48E-09	3.94E-09	3.48E-09	9.96E-08	9.96E-08
aluminum	7429-90-5	8.38744E-08	0.00E+00	2.01E-15	8.39E-08	2.01E-15	1.21E-15	1.21E-15
ammonia	7664-41-7	0	0.00E+00	4.28E-05	4.28E-05	4.28E-05	5.88E-04	5.88E-04
arsenic	7440-38-2	1.92521E-09	0.00E+00	6.88E-17	1.93E-09	6.88E-17	6.53E-17	6.53E-17
cadmium	7440-43-9	9.64381E-10	0.00E+00	4.36E-14	9.64E-10	4.36E-14	5.23E-14	5.23E-14
chlorine	7782-50-5	0	0.00E+00	4.51E-06	4.51E-06	4.51E-06	1.58E-05	1.58E-05
copper	7440-50-8	2.03398E-08	0.00E+00	9.32E-12	2.03E-08	9.32E-12	8.66E-12	8.66E-12
hydrogen chloride	7647-01-0	0	0.00E+00	2.30E-06	2.30E-06	2.30E-06	2.63E-05	2.63E-05
hydrogen cyanide	74-90-8	0	1.46E-09	1.21E-10	1.58E-09	1.21E-10	1.21E-10	1.21E-10
lead	7439-92-1	7.38966E-09	0.00E+00	5.43E-13	7.39E-09	5.43E-13	3.59E-13	3.59E-13
nickel	7440-02-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	4.37261E-11	0.00E+00	3.07E-16	4.37E-11	3.07E-16	2.22E-16	2.22E-16

CONCENTRATIONS OF COPCS IN PRODUCE FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Adult Subsistence Farmer Exposure Scenario								
		Aboveground Produce - Individual Uptake Mechanisms			Exposed Produce	Protected Produce	Belowground Produce	
		Due to Direct Deposition (mg/kg)	Due to Air-to-Plant Transfer (mg/kg)	Due to Direct Uptake from Soil (mg/kg)	Due to All Processes (mg/kg)	Due to All Processes (mg/kg)	Due to Direct Uptake from Soil (mg/kg)	Due to All Processes (mg/kg)
COPC	CAS Number	Pd	Pv	Pr	P_{ag}	P_p	Pr_{bg}	P_{bg}
1,1,1,2-tetrachloroethane	630-20-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0	2.48E-09	7.30E-09	9.78E-09	7.30E-09	3.96E-07	3.96E-07
1,1-dichloroethane	75-34-3	0	4.79E-12	4.37E-11	4.84E-11	4.37E-11	2.47E-09	2.47E-09
1,1-dichloroethene	75-35-4	0	3.93E-18	2.19E-17	2.58E-17	2.19E-17	7.41E-16	7.41E-16
1,2,3-trichlorobenzene	87-61-6	0	3.62E-13	1.49E-09	1.49E-09	1.49E-09	1.33E-09	1.33E-09
1,2,4-trichlorobenzene	120-82-1	0	1.34E-17	5.05E-18	1.84E-17	5.05E-18	2.07E-15	2.07E-15
1,2,4-trimethyl benzene	95-63-6	0	3.67E-11	9.10E-11	1.28E-10	9.10E-11	4.74E-09	4.74E-09
1,2-bis(ethylthio)-ethene	13105-10-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0	4.15E-18	7.50E-18	1.17E-17	7.50E-18	4.27E-16	4.27E-16
1,2-dichlorobutane	616-21-7	0	3.65E-10	2.62E-09	2.98E-09	2.62E-09	4.38E-08	4.38E-08
1,2-dichloroethane	107-06-2	0	1.12E-08	1.57E-07	1.68E-07	1.57E-07	8.20E-06	8.20E-06
1,2-dichloropropane	78-87-5	0	2.81E-13	1.61E-12	1.89E-12	1.61E-12	5.34E-11	5.34E-11
1,3-dichlorobenzene	541-73-1	0	3.89E-18	6.86E-18	1.07E-17	6.86E-18	3.43E-16	3.43E-16
1,4-dichlorobenzene	106-46-7	0	4.37E-18	1.59E-18	5.97E-18	1.59E-18	4.16E-16	4.16E-16
1,4-dioxane	123-91-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0	6.79E-07	1.03E-04	1.03E-04	1.03E-04	6.51E-04	6.51E-04
1,4-oxathiane	15980-15-1	0	8.31E-08	3.75E-05	3.76E-05	3.75E-05	4.51E-04	4.51E-04
1-chlorobutane	109-69-3	0	1.46E-14	1.03E-13	1.18E-13	1.03E-13	1.52E-12	1.52E-12
1-hexene	592-41-6	0	1.29E-12	1.98E-12	3.27E-12	1.98E-12	7.53E-11	7.53E-11
2,2-dimethyl-trans-thiirane	3772-13-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0	1.40E-16	9.20E-16	1.06E-15	9.20E-16	1.54E-13	1.54E-13
2,4-dinitrotoluene	121-14-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0	4.50E-11	1.67E-07	1.67E-07	1.67E-07	4.59E-07	4.59E-07
2-chlorobutane	78-86-4	0	1.99E-11	2.57E-10	2.77E-10	2.57E-10	2.54E-09	2.54E-09
2-chloroethoxyethane	112-26-5	0	5.19E-07	1.11E-04	1.12E-04	1.11E-04	7.49E-04	7.49E-04
2-ethyl 1,3-butadiene	3404-63-5	0	2.09E-13	6.10E-13	8.19E-13	6.10E-13	1.56E-11	1.56E-11
2-hexanone	591-78-6	0	9.52E-11	1.99E-08	2.00E-08	1.99E-08	1.26E-07	1.26E-07
2-methyl phenol	95-48-7	0	9.30E-16	1.02E-14	1.12E-14	1.02E-14	5.85E-14	5.85E-14
2-methyl-1,3-dithiacyclopentane	5616-51-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0	1.54E-16	7.37E-16	8.91E-16	7.37E-16	1.13E-14	1.13E-14
3-methyl phenol	108-39-4	0	4.57E-10	9.19E-09	9.64E-09	9.19E-09	5.23E-08	5.23E-08
4-methyl phenol	106-44-5	0	4.33E-10	3.44E-10	7.76E-10	3.44E-10	1.21E-10	1.21E-10
4-methyl-2-pentanone	108-10-1	0	2.64E-11	6.94E-08	6.95E-08	6.94E-08	3.33E-08	3.33E-08
acenaphthylene	208-96-8	0	2.24E-16	6.27E-16	8.51E-16	6.27E-16	1.03E-14	1.03E-14
acetaldehyde	75-07-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0	8.19E-11	2.59E-07	2.59E-07	2.59E-07	2.30E-06	2.30E-06
acetylene	74-86-2	0	7.80E-13	5.30E-13	1.31E-12	5.30E-13	2.36E-12	2.36E-12
acrolein	107-02-8	0	7.82E-13	4.90E-09	4.90E-09	4.90E-09	2.55E-08	2.55E-08
alpha-methylstyrene	98-83-9	0	7.34E-11	2.44E-10	3.17E-10	2.44E-10	1.04E-08	1.04E-08
benzene	71-43-2	0	1.93E-12	9.01E-12	1.09E-11	9.01E-12	3.05E-10	3.05E-10
bis(2-chloroisopropyl) ether	108-60-1	0	1.35E-18	3.03E-15	3.03E-15	3.03E-15	1.62E-14	1.62E-14
carbon disulfide	75-15-0	0	2.62E-12	1.11E-11	1.37E-11	1.11E-11	6.75E-10	6.75E-10
chlorobenzene	108-90-7	0	8.48E-18	1.51E-17	2.36E-17	1.51E-17	1.23E-15	1.23E-15
chloroethane	75-00-3	0	3.73E-12	4.37E-11	4.75E-11	4.37E-11	2.07E-09	2.07E-09
chloroform	67-66-3	0	6.28E-12	3.10E-11	3.73E-11	3.10E-11	1.16E-09	1.16E-09
chloromethane	74-87-3	0	2.88E-13	4.06E-11	4.09E-11	4.06E-11	6.03E-10	6.03E-10
chloromethoxyethane	3188-13-4	0	1.81E-09	5.30E-07	5.32E-07	5.30E-07	4.88E-06	4.88E-06
cis-1,2-dichloroethene	156-59-2	0	4.94E-17	3.12E-14	3.13E-14	3.12E-14	1.86E-12	1.86E-12
dichlorodifluoromethane	75-71-8	0	6.50E-18	1.35E-14	1.35E-14	1.35E-14	1.06E-13	1.06E-13
diethyl ether	60-29-7	0	6.39E-11	2.17E-09	2.24E-09	2.17E-09	1.70E-08	1.70E-08
diethyl phthalate	84-66-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0	5.58E-13	1.23E-11	1.29E-11	1.23E-11	1.34E-10	1.34E-10
ethanol	64-17-5	0	2.00E-13	2.87E-10	2.88E-10	2.87E-10	6.38E-09	6.38E-09
ethene	74-85-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0	1.13E-10	1.75E-10	2.87E-10	1.75E-10	2.17E-08	2.17E-08
HD	505-60-2	0	3.26E-09	5.24E-10	3.78E-09	5.24E-10	2.37E-09	2.37E-09
hexachlorobutadiene	87-68-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0	5.26E-13	6.30E-13	1.16E-12	6.30E-13	4.56E-11	4.56E-11
methane	74-82-8	0	2.28E-14	1.26E-12	1.29E-12	1.26E-12	1.27E-11	1.27E-11
methyl tert-butyl ether	1634-04-4	0	4.21E-12	1.98E-09	1.99E-09	1.98E-09	1.69E-08	1.69E-08
methylene chloride	75-09-2	0	1.18E-11	2.13E-10	2.25E-10	2.13E-10	1.12E-08	1.12E-08
monoethanolamine	141-43-5	0	3.01E-09	4.66E-08	4.96E-08	4.66E-08	8.95E-06	8.95E-06
naphthalene	91-20-3	0	2.01E-11	1.80E-09	1.82E-09	1.80E-09	1.01E-09	1.01E-09
nitrobenzene	98-95-3	0	1.50E-18	2.48E-16	2.49E-16	2.48E-16	7.88E-16	7.88E-16
nitroglycerin	55-63-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0	1.51E-13	1.76E-12	1.92E-12	1.76E-12	6.59E-12	6.59E-12
pentane	109-66-0	0	5.21E-13	1.48E-12	2.01E-12	1.48E-12	5.65E-11	5.65E-11
phenanthrene	85-01-8	0	1.54E-17	7.03E-16	7.18E-16	7.03E-16	1.33E-17	1.33E-17
phenol	108-95-2	0	1.92E-15	6.34E-14	6.54E-14	6.34E-14	2.64E-14	2.64E-14
propene	115-07-1	0	7.72E-14	3.61E-12	3.69E-12	3.61E-12	3.83E-11	3.83E-11
styrene	100-42-5	0	1.79E-16	3.78E-14	3.80E-14	3.78E-14	2.09E-14	2.09E-14
tert-butyl alcohol	75-65-0	0	3.19E-11	3.10E-08	3.10E-08	3.10E-08	4.30E-07	4.30E-07
tetracene	92-24-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0	5.48E-10	6.44E-11	6.13E-10	6.44E-11	4.77E-08	4.77E-08
tetryl	479-45-8	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0	5.23E-12	1.14E-09	1.15E-09	1.14E-09	1.05E-08	1.05E-08
thiodiglycol	111-48-8	0	8.26E-08	1.32E-04	1.32E-04	1.32E-04	4.70E-03	4.70E-03
toluene	108-88-3	0	6.65E-11	2.00E-10	2.66E-10	2.00E-10	1.45E-08	1.45E-08
trans-1,2-dichloroethene	156-60-5	0	1.51E-17	8.95E-17	1.05E-16	8.95E-17	3.63E-15	3.63E-15
trichloroethene	79-01-6	0	3.26E-11	1.82E-10	2.15E-10	1.82E-10	5.69E-09	5.69E-09
vinyl chloride	75-01-4	0	8.10E-11	2.63E-09	2.71E-09	2.63E-09	1.08E-07	1.08E-07
xylenes	1330-20-7	0	4.56E-10	2.61E-09	3.07E-09	2.61E-09	7.47E-08	7.47E-08
aluminum	7429-90-5	8.38744E-08	0.00E+00	1.51E-15	8.39E-08	1.51E-15	9.06E-16	9.06E-16
ammonia	7664-41-7	0	0.00E+00	3.21E-05	3.21E-05	3.21E-05	4.41E-04	4.41E-04
arsenic	7440-38-2	1.92521E-09	0.00E+00	5.16E-17	1.93E-09	5.16E-17	4.89E-17	4.89E-17
cadmium	7440-43-9	9.64381E-10	0.00E+00	3.27E-14	9.64E-10	3.27E-14	3.92E-14	3.92E-14
chlorine	7782-50-5	0	0.00E+00	3.38E-06	3.38E-06	3.38E-06	1.19E-05	1.19E-05
copper	7440-50-8	2.03398E-08	0.00E+00	6.99E-12	2.03E-08	6.99E-12	6.49E-12	6.49E-12
hydrogen chloride	7647-01-0	0	0.00E+00	1.73E-06	1.73E-06	1.73E-06	1.97E-05	1.97E-05
hydrogen cyanide	74-90-8	0	1.46E-09	9.06E-11	1.55E-09	9.06E-11	9.06E-11	9.06E-11
lead	7439-92-1	7.38966E-09	0.00E+00	4.07E-13	7.39E-09	4.07E-13	2.69E-13	2.69E-13
nickel	7440-02-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	4.37261E-11	0.00E+00	2.30E-16	4.37E-11	2.30E-16	1.67E-16	1.67E-16

CONCENTRATIONS OF COPCS IN PRODUCE FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Child Exposure Scenarios								
		Aboveground Produce - Individual Uptake Mechanisms			Exposed Produce	Protected Produce	Belowground Produce	
		Due to Direct Deposition	Due to Air-to-Plant Transfer	Due to Direct Uptake from Soil	Due to All Processes	Due to All Processes	Due to Direct Uptake from Soil	Due to All Processes
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
COPC	CAS Number	Pd	Pv	Pr	P_{ag}	P_p	Pr_{bg}	P_{bg}
1,1,1,2-tetrachloroethane	630-20-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0	2.48E-09	5.84E-08	6.09E-08	5.84E-08	3.17E-06	3.17E-06
1,1-dichloroethane	75-34-3	0	4.79E-12	3.49E-10	3.54E-10	3.49E-10	1.98E-08	1.98E-08
1,1-dichloroethene	75-35-4	0	3.93E-18	1.75E-16	1.79E-16	1.75E-16	5.93E-15	5.93E-15
1,2,3-trichlorobenzene	87-61-6	0	3.62E-13	1.12E-08	1.12E-08	1.12E-08	9.99E-09	9.99E-09
1,2,4-trichlorobenzene	120-82-1	0	1.34E-17	4.04E-17	5.38E-17	4.04E-17	1.66E-14	1.66E-14
1,2,4-trimethyl benzene	95-63-6	0	3.67E-11	7.28E-10	7.64E-10	7.28E-10	3.79E-08	3.79E-08
1,2-bis(ethylthio)-ethene	13105-10-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0	4.15E-18	6.00E-17	6.42E-17	6.00E-17	3.42E-15	3.42E-15
1,2-dichlorobutane	616-21-7	0	3.65E-10	2.09E-08	2.13E-08	2.09E-08	3.50E-07	3.50E-07
1,2-dichloroethane	107-06-2	0	1.12E-08	1.25E-06	1.26E-06	1.25E-06	6.56E-05	6.56E-05
1,2-dichloropropane	78-87-5	0	2.81E-13	1.29E-11	1.32E-11	1.29E-11	4.27E-10	4.27E-10
1,3-dichlorobenzene	541-73-1	0	3.89E-18	5.48E-17	5.87E-17	5.48E-17	2.75E-15	2.75E-15
1,4-dichlorobenzene	106-46-7	0	4.37E-18	1.28E-17	1.71E-17	1.28E-17	3.33E-15	3.33E-15
1,4-dioxane	123-91-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0	6.79E-07	8.20E-04	8.20E-04	8.20E-04	5.19E-03	5.19E-03
1,4-oxathiane	15980-15-1	0	8.31E-08	3.00E-04	3.00E-04	3.00E-04	3.61E-03	3.61E-03
1-chlorobutane	109-69-3	0	1.46E-14	8.28E-13	8.42E-13	8.28E-13	1.22E-11	1.22E-11
1-hexene	592-41-6	0	1.29E-12	1.58E-11	1.71E-11	1.58E-11	6.03E-10	6.03E-10
2,2-dimethyl-trans-thiirane	3772-13-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0	1.40E-16	7.08E-15	7.22E-15	7.08E-15	1.19E-12	1.19E-12
2,4-dinitrotoluene	121-14-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0	4.50E-11	1.33E-06	1.33E-06	1.33E-06	3.67E-06	3.67E-06
2-chlorobutane	78-86-4	0	1.99E-11	2.05E-09	2.07E-09	2.05E-09	2.03E-08	2.03E-08
2-chloroethoxyethane	112-26-5	0	5.19E-07	8.77E-04	8.77E-04	8.77E-04	5.91E-03	5.91E-03
2-ethyl 1,3-butadiene	3404-63-5	0	2.09E-13	4.88E-12	5.09E-12	4.88E-12	1.25E-10	1.25E-10
2-hexanone	591-78-6	0	9.52E-11	1.59E-07	1.59E-07	1.59E-07	1.01E-06	1.01E-06
2-methyl phenol	95-48-7	0	9.30E-16	8.15E-14	8.25E-14	8.15E-14	4.66E-13	4.66E-13
2-methyl-1,3-dithiacyclopentane	5616-51-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0	1.54E-16	5.86E-15	6.01E-15	5.86E-15	9.00E-14	9.00E-14
3-methyl phenol	108-39-4	0	4.57E-10	7.24E-08	7.28E-08	7.24E-08	4.12E-07	4.12E-07
4-methyl phenol	106-44-5	0	4.33E-10	2.75E-09	3.18E-09	2.75E-09	9.68E-10	9.68E-10
4-methyl-2-pentanone	108-10-1	0	2.64E-11	5.55E-07	5.55E-07	5.55E-07	2.66E-07	2.66E-07
acenaphthylene	208-96-8	0	2.24E-16	4.90E-15	5.12E-15	4.90E-15	8.06E-14	8.06E-14
acetaldehyde	75-07-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0	8.19E-11	2.07E-06	2.07E-06	2.07E-06	1.84E-05	1.84E-05
acetylene	74-86-2	0	7.80E-13	4.24E-12	5.02E-12	4.24E-12	1.89E-11	1.89E-11
acrolein	107-02-8	0	7.82E-13	3.92E-08	3.92E-08	3.92E-08	2.04E-07	2.04E-07
alpha-methylstyrene	98-83-9	0	7.34E-11	1.95E-09	2.02E-09	1.95E-09	8.35E-08	8.35E-08
benzene	71-43-2	0	1.93E-12	7.21E-11	7.40E-11	7.21E-11	2.44E-09	2.44E-09
bis(2-chloroisopropyl) ether	108-60-1	0	1.35E-18	2.39E-14	2.39E-14	2.39E-14	1.28E-13	1.28E-13
carbon disulfide	75-15-0	0	2.62E-12	8.84E-11	9.10E-11	8.84E-11	5.40E-09	5.40E-09
chlorobenzene	108-90-7	0	8.48E-18	1.21E-16	1.29E-16	1.21E-16	9.81E-15	9.81E-15
chloroethane	75-00-3	0	3.73E-12	3.50E-10	3.54E-10	3.50E-10	1.65E-08	1.65E-08
chloroform	67-66-3	0	6.28E-12	2.48E-10	2.54E-10	2.48E-10	9.25E-09	9.25E-09
chloromethane	74-87-3	0	2.88E-13	3.25E-10	3.25E-10	3.25E-10	4.82E-09	4.82E-09
chloromethoxyethane	3188-13-4	0	1.81E-09	4.24E-06	4.24E-06	4.24E-06	3.90E-05	3.90E-05
cis-1,2-dichloroethene	156-59-2	0	4.94E-17	2.50E-13	2.50E-13	2.50E-13	1.49E-11	1.49E-11
dichlorodifluoromethane	75-71-8	0	6.50E-18	1.08E-13	1.08E-13	1.08E-13	8.49E-13	8.49E-13
diethyl ether	60-29-7	0	6.39E-11	1.74E-08	1.75E-08	1.74E-08	1.36E-07	1.36E-07
diethyl phthalate	84-66-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0	5.58E-13	9.86E-11	9.92E-11	9.86E-11	1.07E-09	1.07E-09
ethanol	64-17-5	0	2.00E-13	2.30E-09	2.30E-09	2.30E-09	5.10E-08	5.10E-08
ethene	74-85-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0	1.13E-10	1.40E-09	1.51E-09	1.40E-09	1.73E-07	1.73E-07
HD	505-60-2	0	3.26E-09	4.19E-09	7.44E-09	4.19E-09	1.90E-08	1.90E-08
hexachlorobutadiene	87-68-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0	5.26E-13	5.04E-12	5.57E-12	5.04E-12	3.65E-10	3.65E-10
methane	74-82-8	0	2.28E-14	1.01E-11	1.01E-11	1.01E-11	1.01E-10	1.01E-10
methyl tert-butyl ether	1634-04-4	0	4.21E-12	1.59E-08	1.59E-08	1.59E-08	1.35E-07	1.35E-07
methylene chloride	75-09-2	0	1.18E-11	1.70E-09	1.71E-09	1.70E-09	8.93E-08	8.93E-08
monoethanolamine	141-43-5	0	3.01E-09	3.72E-07	3.75E-07	3.72E-07	7.16E-05	7.16E-05
naphthalene	91-20-3	0	2.01E-11	1.42E-08	1.42E-08	1.42E-08	7.95E-09	7.95E-09
nitrobenzene	98-95-3	0	1.50E-18	1.98E-15	1.98E-15	1.98E-15	6.29E-15	6.29E-15
nitroglycerin	55-63-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0	1.51E-13	1.41E-11	1.43E-11	1.41E-11	5.27E-11	5.27E-11
pentane	109-66-0	0	5.21E-13	1.19E-11	1.24E-11	1.19E-11	4.52E-10	4.52E-10
phenanthrene	85-01-8	0	1.54E-17	4.73E-15	4.75E-15	4.73E-15	8.94E-17	8.94E-17
phenol	108-95-2	0	1.92E-15	5.04E-13	5.05E-13	5.04E-13	2.10E-13	2.10E-13
propene	115-07-1	0	7.72E-14	2.89E-11	2.90E-11	2.89E-11	3.06E-10	3.06E-10
styrene	100-42-5	0	1.79E-16	3.02E-13	3.02E-13	3.02E-13	1.67E-13	1.67E-13
tert-butyl alcohol	75-65-0	0	3.19E-11	2.48E-07	2.48E-07	2.48E-07	3.44E-06	3.44E-06
tetracene	92-24-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0	5.48E-10	5.16E-10	1.06E-09	5.16E-10	3.82E-07	3.82E-07
tetryl	479-45-8	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0	5.23E-12	9.14E-09	9.14E-09	9.14E-09	8.41E-08	8.41E-08
thiodiglycol	111-48-8	0	8.26E-08	1.02E-03	1.02E-03	1.02E-03	3.65E-02	3.65E-02
toluene	108-88-3	0	6.65E-11	1.60E-09	1.66E-09	1.60E-09	1.16E-07	1.16E-07
trans-1,2-dichloroethene	156-60-5	0	1.51E-17	7.16E-16	7.31E-16	7.16E-16	2.91E-14	2.91E-14
trichloroethene	79-01-6	0	3.26E-11	1.46E-09	1.49E-09	1.46E-09	4.55E-08	4.55E-08
vinyl chloride	75-01-4	0	8.10E-11	2.11E-08	2.11E-08	2.11E-08	8.61E-07	8.61E-07
xylenes	1330-20-7	0	4.56E-10	2.09E-08	2.13E-08	2.09E-08	5.98E-07	5.98E-07
aluminum	7429-90-5	8.38744E-08	0.00E+00	1.20E-14	8.39E-08	1.20E-14	7.25E-15	7.25E-15
ammonia	7664-41-7	0	0.00E+00	2.57E-04	2.57E-04	2.57E-04	3.53E-03	3.53E-03
arsenic	7440-38-2	1.92521E-09	0.00E+00	4.13E-16	1.93E-09	4.13E-16	3.92E-16	3.92E-16
cadmium	7440-43-9	9.64381E-10	0.00E+00	2.61E-13	9.65E-10	2.61E-13	3.14E-13	3.14E-13
chlorine	7782-50-5	0	0.00E+00	2.70E-05	2.70E-05	2.70E-05	9.50E-05	9.50E-05
copper	7440-50-8	2.03398E-08	0.00E+00	5.59E-11	2.04E-08	5.59E-11	5.19E-11	5.19E-11
hydrogen chloride	7647-01-0	0	0.00E+00	1.38E-05	1.38E-05	1.38E-05	1.58E-04	1.58E-04
hydrogen cyanide	74-90-8	0	1.46E-09	7.25E-10	2.18E-09	7.25E-10	7.25E-10	7.25E-10
lead	7439-92-1	7.38966E-09	0.00E+00	3.25E-12	7.39E-09	3.25E-12	2.15E-12	2.15E-12
nickel	7440-02-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	4.37261E-11	0.00E+00	1.84E-15	4.37E-11	1.84E-15	1.33E-15	1.33E-15

CONCENTRATIONS OF COPCS IN PRODUCE FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Infant Exposure Scenarios								
		Aboveground Produce - Individual Uptake Mechanisms			Exposed Produce	Protected Produce	Belowground Produce	
		Due to Direct Deposition	Due to Air-to-Plant Transfer	Due to Direct Uptake from Soil	Due to All Processes	Due to All Processes	Due to Direct Uptake from Soil	Due to All Processes
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
COPC	CAS Number	Pd	Pv	Pr	P_{ag}	P_p	Pr_{bg}	P_{bg}
1,1,1,2-tetrachloroethane	630-20-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0	2.48E-09	5.84E-08	6.09E-08	5.84E-08	3.17E-06	3.17E-06
1,1-dichloroethane	75-34-3	0	4.79E-12	3.49E-10	3.54E-10	3.49E-10	1.98E-08	1.98E-08
1,1-dichloroethene	75-35-4	0	3.93E-18	1.75E-16	1.79E-16	1.75E-16	5.93E-15	5.93E-15
1,2,3-trichlorobenzene	87-61-6	0	3.62E-13	1.12E-08	1.12E-08	1.12E-08	9.99E-09	9.99E-09
1,2,4-trichlorobenzene	120-82-1	0	1.34E-17	4.04E-17	5.38E-17	4.04E-17	1.66E-14	1.66E-14
1,2,4-trimethyl benzene	95-63-6	0	3.67E-11	7.28E-10	7.64E-10	7.28E-10	3.79E-08	3.79E-08
1,2-bis(ethylthio)-ethene	13105-10-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0	4.15E-18	6.00E-17	6.42E-17	6.00E-17	3.42E-15	3.42E-15
1,2-dichlorobutane	616-21-7	0	3.65E-10	2.09E-08	2.13E-08	2.09E-08	3.50E-07	3.50E-07
1,2-dichloroethane	107-06-2	0	1.12E-08	1.25E-06	1.26E-06	1.25E-06	6.56E-05	6.56E-05
1,2-dichloropropane	78-87-5	0	2.81E-13	1.29E-11	1.32E-11	1.29E-11	4.27E-10	4.27E-10
1,3-dichlorobenzene	541-73-1	0	3.89E-18	5.48E-17	5.87E-17	5.48E-17	2.75E-15	2.75E-15
1,4-dichlorobenzene	106-46-7	0	4.37E-18	1.28E-17	1.71E-17	1.28E-17	3.33E-15	3.33E-15
1,4-dioxane	123-91-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0	6.79E-07	8.20E-04	8.20E-04	8.20E-04	5.19E-03	5.19E-03
1,4-oxathiane	15980-15-1	0	8.31E-08	3.00E-04	3.00E-04	3.00E-04	3.61E-03	3.61E-03
1-chlorobutane	109-69-3	0	1.46E-14	8.28E-13	8.42E-13	8.28E-13	1.22E-11	1.22E-11
1-hexene	592-41-6	0	1.29E-12	1.58E-11	1.71E-11	1.58E-11	6.03E-10	6.03E-10
2,2-dimethyl-trans-thiirane	3772-13-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0	1.40E-16	7.08E-15	7.22E-15	7.08E-15	1.19E-12	1.19E-12
2,4-dinitrotoluene	121-14-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0	4.50E-11	1.33E-06	1.33E-06	1.33E-06	3.67E-06	3.67E-06
2-chlorobutane	78-86-4	0	1.99E-11	2.05E-09	2.07E-09	2.05E-09	2.03E-08	2.03E-08
2-chloroethoxyethane	112-26-5	0	5.19E-07	8.77E-04	8.77E-04	8.77E-04	5.91E-03	5.91E-03
2-ethyl 1,3-butadiene	3404-63-5	0	2.09E-13	4.88E-12	5.09E-12	4.88E-12	1.25E-10	1.25E-10
2-hexanone	591-78-6	0	9.52E-11	1.59E-07	1.59E-07	1.59E-07	1.01E-06	1.01E-06
2-methyl phenol	95-48-7	0	9.30E-16	8.15E-14	8.25E-14	8.15E-14	4.66E-13	4.66E-13
2-methyl-1,3-dithiacyclopentane	5616-51-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0	1.54E-16	5.86E-15	6.01E-15	5.86E-15	9.00E-14	9.00E-14
3-methyl phenol	108-39-4	0	4.57E-10	7.24E-08	7.28E-08	7.24E-08	4.12E-07	4.12E-07
4-methyl phenol	106-44-5	0	4.33E-10	2.75E-09	3.18E-09	2.75E-09	9.68E-10	9.68E-10
4-methyl-2-pentanone	108-10-1	0	2.64E-11	5.55E-07	5.55E-07	5.55E-07	2.66E-07	2.66E-07
acenaphthylene	208-96-8	0	2.24E-16	4.90E-15	5.12E-15	4.90E-15	8.06E-14	8.06E-14
acetaldehyde	75-07-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0	8.19E-11	2.07E-06	2.07E-06	2.07E-06	1.84E-05	1.84E-05
acetylene	74-86-2	0	7.80E-13	4.24E-12	5.02E-12	4.24E-12	1.89E-11	1.89E-11
acrolein	107-02-8	0	7.82E-13	3.92E-08	3.92E-08	3.92E-08	2.04E-07	2.04E-07
alpha-methylstyrene	98-83-9	0	7.34E-11	1.95E-09	2.02E-09	1.95E-09	8.35E-08	8.35E-08
benzene	71-43-2	0	1.93E-12	7.21E-11	7.40E-11	7.21E-11	2.44E-09	2.44E-09
bis(2-chloroisopropyl) ether	108-60-1	0	1.35E-18	2.39E-14	2.39E-14	2.39E-14	1.28E-13	1.28E-13
carbon disulfide	75-15-0	0	2.62E-12	8.84E-11	9.10E-11	8.84E-11	5.40E-09	5.40E-09
chlorobenzene	108-90-7	0	8.48E-18	1.21E-16	1.29E-16	1.21E-16	9.81E-15	9.81E-15
chloroethane	75-00-3	0	3.73E-12	3.50E-10	3.54E-10	3.50E-10	1.65E-08	1.65E-08
chloroform	67-66-3	0	6.28E-12	2.48E-10	2.54E-10	2.48E-10	9.25E-09	9.25E-09
chloromethane	74-87-3	0	2.88E-13	3.25E-10	3.25E-10	3.25E-10	4.82E-09	4.82E-09
chloromethoxyethane	3188-13-4	0	1.81E-09	4.24E-06	4.24E-06	4.24E-06	3.90E-05	3.90E-05
cis-1,2-dichloroethene	156-59-2	0	4.94E-17	2.50E-13	2.50E-13	2.50E-13	1.49E-11	1.49E-11
dichlorodifluoromethane	75-71-8	0	6.50E-18	1.08E-13	1.08E-13	1.08E-13	8.49E-13	8.49E-13
diethyl ether	60-29-7	0	6.39E-11	1.74E-08	1.75E-08	1.74E-08	1.36E-07	1.36E-07
diethyl phthalate	84-66-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0	5.58E-13	9.86E-11	9.92E-11	9.86E-11	1.07E-09	1.07E-09
ethanol	64-17-5	0	2.00E-13	2.30E-09	2.30E-09	2.30E-09	5.10E-08	5.10E-08
ethene	74-85-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0	1.13E-10	1.40E-09	1.51E-09	1.40E-09	1.73E-07	1.73E-07
HD	505-60-2	0	3.26E-09	4.19E-09	7.44E-09	4.19E-09	1.90E-08	1.90E-08
hexachlorobutadiene	87-68-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0	5.26E-13	5.04E-12	5.57E-12	5.04E-12	3.65E-10	3.65E-10
methane	74-82-8	0	2.28E-14	1.01E-11	1.01E-11	1.01E-11	1.01E-10	1.01E-10
methyl tert-butyl ether	1634-04-4	0	4.21E-12	1.59E-08	1.59E-08	1.59E-08	1.35E-07	1.35E-07
methylene chloride	75-09-2	0	1.18E-11	1.70E-09	1.71E-09	1.70E-09	8.93E-08	8.93E-08
monoethanolamine	141-43-5	0	3.01E-09	3.72E-07	3.75E-07	3.72E-07	7.16E-05	7.16E-05
naphthalene	91-20-3	0	2.01E-11	1.42E-08	1.42E-08	1.42E-08	7.95E-09	7.95E-09
nitrobenzene	98-95-3	0	1.50E-18	1.98E-15	1.98E-15	1.98E-15	6.29E-15	6.29E-15
nitroglycerin	55-63-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0	1.51E-13	1.41E-11	1.43E-11	1.41E-11	5.27E-11	5.27E-11
pentane	109-66-0	0	5.21E-13	1.19E-11	1.24E-11	1.19E-11	4.52E-10	4.52E-10
phenanthrene	85-01-8	0	1.54E-17	4.73E-15	4.75E-15	4.73E-15	8.94E-17	8.94E-17
phenol	108-95-2	0	1.92E-15	5.04E-13	5.05E-13	5.04E-13	2.10E-13	2.10E-13
propene	115-07-1	0	7.72E-14	2.89E-11	2.90E-11	2.89E-11	3.06E-10	3.06E-10
styrene	100-42-5	0	1.79E-16	3.02E-13	3.02E-13	3.02E-13	1.67E-13	1.67E-13
tert-butyl alcohol	75-65-0	0	3.19E-11	2.48E-07	2.48E-07	2.48E-07	3.44E-06	3.44E-06
tetracene	92-24-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0	5.48E-10	5.16E-10	1.06E-09	5.16E-10	3.82E-07	3.82E-07
tetryl	479-45-8	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0	5.23E-12	9.14E-09	9.14E-09	9.14E-09	8.41E-08	8.41E-08
thiodiglycol	111-48-8	0	8.26E-08	1.02E-03	1.02E-03	1.02E-03	3.65E-02	3.65E-02
toluene	108-88-3	0	6.65E-11	1.60E-09	1.66E-09	1.60E-09	1.16E-07	1.16E-07
trans-1,2-dichloroethene	156-60-5	0	1.51E-17	7.16E-16	7.31E-16	7.16E-16	2.91E-14	2.91E-14
trichloroethene	79-01-6	0	3.26E-11	1.46E-09	1.49E-09	1.46E-09	4.55E-08	4.55E-08
vinyl chloride	75-01-4	0	8.10E-11	2.11E-08	2.11E-08	2.11E-08	8.61E-07	8.61E-07
xylenes	1330-20-7	0	4.56E-10	2.09E-08	2.13E-08	2.09E-08	5.98E-07	5.98E-07
aluminum	7429-90-5	8.38744E-08	0.00E+00	1.20E-14	8.39E-08	1.20E-14	7.25E-15	7.25E-15
ammonia	7664-41-7	0	0.00E+00	2.57E-04	2.57E-04	2.57E-04	3.53E-03	3.53E-03
arsenic	7440-38-2	1.92521E-09	0.00E+00	4.13E-16	1.93E-09	4.13E-16	3.92E-16	3.92E-16
cadmium	7440-43-9	9.64381E-10	0.00E+00	2.61E-13	9.65E-10	2.61E-13	3.14E-13	3.14E-13
chlorine	7782-50-5	0	0.00E+00	2.70E-05	2.70E-05	2.70E-05	9.50E-05	9.50E-05
copper	7440-50-8	2.03398E-08	0.00E+00	5.59E-11	2.04E-08	5.59E-11	5.19E-11	5.19E-11
hydrogen chloride	7647-01-0	0	0.00E+00	1.38E-05	1.38E-05	1.38E-05	1.58E-04	1.58E-04
hydrogen cyanide	74-90-8	0	1.46E-09	7.25E-10	2.18E-09	7.25E-10	7.25E-10	7.25E-10
lead	7439-92-1	7.38966E-09	0.00E+00	3.25E-12	7.39E-09	3.25E-12	2.15E-12	2.15E-12
nickel	7440-02-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	4.37261E-11	0.00E+00	1.84E-15	4.37E-11	1.84E-15	1.33E-15	1.33E-15

CONCENTRATIONS OF COPCS IN PRODUCE FOR EACH EXPOSURE SCENARIO

NONCARCINOGENIC EFFECTS: All Exposure Scenarios								
		Aboveground Produce - Individual Uptake Mechanisms			Exposed Produce	Protected Produce	Belowground Produce	
		Due to Direct Deposition	Due to Air-to-Plant Transfer	Due to Direct Uptake from Soil	Due to All Processes	Due to All Processes	Due to Direct Uptake from Soil	Due to All Processes
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
COPC	CAS Number	Pd	Pv	Pr	P_{ag}	P_p	Pr_{bg}	P_{bg}
1,1,1,2-tetrachloroethane	630-20-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0	2.48E-09	5.84E-08	6.09E-08	5.84E-08	3.17E-06	3.17E-06
1,1-dichloroethane	75-34-3	0	4.79E-12	3.49E-10	3.54E-10	3.49E-10	1.98E-08	1.98E-08
1,1-dichloroethene	75-35-4	0	3.93E-18	1.75E-16	1.79E-16	1.75E-16	5.93E-15	5.93E-15
1,2,3-trichlorobenzene	87-61-6	0	3.62E-13	1.19E-08	1.19E-08	1.19E-08	1.06E-08	1.06E-08
1,2,4-trichlorobenzene	120-82-1	0	1.34E-17	4.04E-17	5.38E-17	4.04E-17	1.66E-14	1.66E-14
1,2,4-trimethyl benzene	95-63-6	0	3.67E-11	7.28E-10	7.64E-10	7.28E-10	3.79E-08	3.79E-08
1,2-bis(ethylthio)-ethene	13105-10-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0	4.15E-18	6.00E-17	6.42E-17	6.00E-17	3.42E-15	3.42E-15
1,2-dichlorobutane	616-21-7	0	3.65E-10	2.09E-08	2.13E-08	2.09E-08	3.50E-07	3.50E-07
1,2-dichloroethane	107-06-2	0	1.12E-08	1.25E-06	1.26E-06	1.25E-06	6.56E-05	6.56E-05
1,2-dichloropropane	78-87-5	0	2.81E-13	1.29E-11	1.32E-11	1.29E-11	4.27E-10	4.27E-10
1,3-dichlorobenzene	541-73-1	0	3.89E-18	5.49E-17	5.87E-17	5.49E-17	2.75E-15	2.75E-15
1,4-dichlorobenzene	106-46-7	0	4.37E-18	1.28E-17	1.71E-17	1.28E-17	3.33E-15	3.33E-15
1,4-dioxane	123-91-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0	6.79E-07	8.22E-04	8.22E-04	8.22E-04	5.20E-03	5.20E-03
1,4-oxathiane	15980-15-1	0	8.31E-08	3.00E-04	3.00E-04	3.00E-04	3.61E-03	3.61E-03
1-chlorobutane	109-69-3	0	1.46E-14	8.28E-13	8.42E-13	8.28E-13	1.22E-11	1.22E-11
1-hexene	592-41-6	0	1.29E-12	1.58E-11	1.71E-11	1.58E-11	6.03E-10	6.03E-10
2,2-dimethyl-trans-thiirane	3772-13-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0	1.40E-16	7.36E-15	7.50E-15	7.36E-15	1.23E-12	1.23E-12
2,4-dinitrotoluene	121-14-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0	4.50E-11	1.33E-06	1.33E-06	1.33E-06	3.67E-06	3.67E-06
2-chlorobutane	78-86-4	0	1.99E-11	2.05E-09	2.07E-09	2.05E-09	2.03E-08	2.03E-08
2-chloroethoxyethane	112-26-5	0	5.19E-07	8.89E-04	8.90E-04	8.89E-04	5.99E-03	5.99E-03
2-ethyl 1,3-butadiene	3404-63-5	0	2.09E-13	4.88E-12	5.09E-12	4.88E-12	1.25E-10	1.25E-10
2-hexanone	591-78-6	0	9.52E-11	1.59E-07	1.59E-07	1.59E-07	1.01E-06	1.01E-06
2-methyl phenol	95-48-7	0	9.30E-16	8.19E-14	8.28E-14	8.19E-14	4.68E-13	4.68E-13
2-methyl-1,3-dithiacyclopentane	5616-51-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0	1.54E-16	5.90E-15	6.05E-15	5.90E-15	9.06E-14	9.06E-14
3-methyl phenol	108-39-4	0	4.57E-10	7.35E-08	7.40E-08	7.35E-08	4.19E-07	4.19E-07
4-methyl phenol	106-44-5	0	4.33E-10	2.75E-09	3.18E-09	2.75E-09	9.68E-10	9.68E-10
4-methyl-2-pentanone	108-10-1	0	2.64E-11	5.55E-07	5.55E-07	5.55E-07	2.66E-07	2.66E-07
acenaphthylene	208-96-8	0	2.24E-16	5.02E-15	5.24E-15	5.02E-15	8.25E-14	8.25E-14
acetaldehyde	75-07-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0	8.19E-11	2.07E-06	2.07E-06	2.07E-06	1.84E-05	1.84E-05
acetylene	74-86-2	0	7.80E-13	4.24E-12	5.02E-12	4.24E-12	1.89E-11	1.89E-11
acrolein	107-02-8	0	7.82E-13	3.92E-08	3.92E-08	3.92E-08	2.04E-07	2.04E-07
alpha-methylstyrene	98-83-9	0	7.34E-11	1.95E-09	2.02E-09	1.95E-09	8.35E-08	8.35E-08
benzene	71-43-2	0	1.93E-12	7.21E-11	7.40E-11	7.21E-11	2.44E-09	2.44E-09
bis(2-chloroisopropyl) ether	108-60-1	0	1.35E-18	2.42E-14	2.42E-14	2.42E-14	1.30E-13	1.30E-13
carbon disulfide	75-15-0	0	2.62E-12	8.84E-11	9.10E-11	8.84E-11	5.40E-09	5.40E-09
chlorobenzene	108-90-7	0	8.48E-18	1.21E-16	1.29E-16	1.21E-16	9.81E-15	9.81E-15
chloroethane	75-00-3	0	3.73E-12	3.50E-10	3.54E-10	3.50E-10	1.65E-08	1.65E-08
chloroform	67-66-3	0	6.28E-12	2.48E-10	2.54E-10	2.48E-10	9.25E-09	9.25E-09
chloromethane	74-87-3	0	2.88E-13	3.25E-10	3.25E-10	3.25E-10	4.82E-09	4.82E-09
chloromethoxyethane	3188-13-4	0	1.81E-09	4.24E-06	4.24E-06	4.24E-06	3.90E-05	3.90E-05
cis-1,2-dichloroethene	156-59-2	0	4.94E-17	2.50E-13	2.50E-13	2.50E-13	1.49E-11	1.49E-11
dichlorodifluoromethane	75-71-8	0	6.50E-18	1.08E-13	1.08E-13	1.08E-13	8.49E-13	8.49E-13
diethyl ether	60-29-7	0	6.39E-11	1.74E-08	1.75E-08	1.74E-08	1.36E-07	1.36E-07
diethyl phthalate	84-66-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0	5.58E-13	9.86E-11	9.92E-11	9.86E-11	1.07E-09	1.07E-09
ethanol	64-17-5	0	2.00E-13	2.30E-09	2.30E-09	2.30E-09	5.10E-08	5.10E-08
ethene	74-85-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0	1.13E-10	1.40E-09	1.51E-09	1.40E-09	1.73E-07	1.73E-07
HD	505-60-2	0	3.26E-09	4.19E-09	7.44E-09	4.19E-09	1.90E-08	1.90E-08
hexachlorobutadiene	87-68-3	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0	5.26E-13	5.04E-12	5.57E-12	5.04E-12	3.65E-10	3.65E-10
methane	74-82-8	0	2.28E-14	1.01E-11	1.01E-11	1.01E-11	1.01E-10	1.01E-10
methyl tert-butyl ether	1634-04-4	0	4.21E-12	1.59E-08	1.59E-08	1.59E-08	1.35E-07	1.35E-07
methylene chloride	75-09-2	0	1.18E-11	1.70E-09	1.71E-09	1.70E-09	8.93E-08	8.93E-08
monoethanolamine	141-43-5	0	3.01E-09	3.72E-07	3.76E-07	3.72E-07	7.16E-05	7.16E-05
naphthalene	91-20-3	0	2.01E-11	1.44E-08	1.45E-08	1.44E-08	8.11E-09	8.11E-09
nitrobenzene	98-95-3	0	1.50E-18	1.98E-15	1.98E-15	1.98E-15	6.31E-15	6.31E-15
nitroglycerin	55-63-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0	1.51E-13	1.41E-11	1.43E-11	1.41E-11	5.27E-11	5.27E-11
pentane	109-66-0	0	5.21E-13	1.19E-11	1.24E-11	1.19E-11	4.52E-10	4.52E-10
phenanthrene	85-01-8	0	1.54E-17	5.61E-15	5.63E-15	5.61E-15	1.06E-16	1.06E-16
phenol	108-95-2	0	1.92E-15	5.07E-13	5.09E-13	5.07E-13	2.11E-13	2.11E-13
propene	115-07-1	0	7.72E-14	2.89E-11	2.90E-11	2.89E-11	3.06E-10	3.06E-10
styrene	100-42-5	0	1.79E-16	3.03E-13	3.03E-13	3.03E-13	1.67E-13	1.67E-13
tert-butyl alcohol	75-65-0	0	3.19E-11	2.48E-07	2.48E-07	2.48E-07	3.44E-06	3.44E-06
tetracene	92-24-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0	5.48E-10	5.16E-10	1.06E-09	5.16E-10	3.82E-07	3.82E-07
tetryl	479-45-8	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0	5.23E-12	9.14E-09	9.14E-09	9.14E-09	8.41E-08	8.41E-08
thiodiglycol	111-48-8	0	8.26E-08	1.06E-03	1.06E-03	1.06E-03	3.76E-02	3.76E-02
toluene	108-88-3	0	6.65E-11	1.60E-09	1.66E-09	1.60E-09	1.16E-07	1.16E-07
trans-1,2-dichloroethene	156-60-5	0	1.51E-17	7.16E-16	7.31E-16	7.16E-16	2.91E-14	2.91E-14
trichloroethene	79-01-6	0	3.26E-11	1.46E-09	1.49E-09	1.46E-09	4.55E-08	4.55E-08
vinyl chloride	75-01-4	0	8.10E-11	2.11E-08	2.11E-08	2.11E-08	8.61E-07	8.61E-07
xylenes	1330-20-7	0	4.56E-10	2.09E-08	2.13E-08	2.09E-08	5.98E-07	5.98E-07
aluminum	7429-90-5	8.38744E-08	0.00E+00	1.20E-14	8.39E-08	1.20E-14	7.25E-15	7.25E-15
ammonia	7664-41-7	0	0.00E+00	2.57E-04	2.57E-04	2.57E-04	3.53E-03	3.53E-03
arsenic	7440-38-2	1.92521E-09	0.00E+00	4.13E-16	1.93E-09	4.13E-16	3.92E-16	3.92E-16
cadmium	7440-43-9	9.64381E-10	0.00E+00	2.61E-13	9.65E-10	2.61E-13	3.14E-13	3.14E-13
chlorine	7782-50-5	0	0.00E+00	2.70E-05	2.70E-05	2.70E-05	9.50E-05	9.50E-05
copper	7440-50-8	2.03398E-08	0.00E+00	5.59E-11	2.04E-08	5.59E-11	5.19E-11	5.19E-11
hydrogen chloride	7647-01-0	0	0.00E+00	1.38E-05	1.38E-05	1.38E-05	1.58E-04	1.58E-04
hydrogen cyanide	74-90-8	0	1.46E-09	7.25E-10	2.18E-09	7.25E-10	7.25E-10	7.25E-10
lead	7439-92-1	7.38966E-09	0.00E+00	3.26E-12	7.39E-09	3.26E-12	2.15E-12	2.15E-12
nickel	7440-02-0	0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	4.37261E-11	0.00E+00	1.84E-15	4.37E-11	1.84E-15	1.33E-15	1.33E-15

CONCENTRATIONS OF COPCS IN ANIMAL FEED FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Adult Resident and Adult Subsistence Fisher Exposure Scenarios									
		Concentration Due to Individual Uptake Mechanisms					Forage	Silage	Grain[1]
		Due to Direct Deposition - Forage	Due to Direct Deposition - Silage	Due to Air-to-Plant Transfer - Forage	Due to Air-to-Plant Transfer - Silage	Due to Direct Uptake from Soil	Due to All Processes	Due to All Processes	Due to All Processes
		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
COPC	CAS Number	Pd_{forage}	Pd_{silage}	Pv_{forage}	Pv_{silage}	Pr	P_{forage}	P_{silage}	P_{grain}
1,1,1,2-tetrachloroethane	630-20-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0.00E+00	0.00E+00	2.48E-09	1.24E-09	9.73E-09	1.22E-08	1.10E-08	9.73E-09
1,1-dichloroethane	75-34-3	0.00E+00	0.00E+00	4.79E-12	2.39E-12	5.82E-11	6.30E-11	6.06E-11	5.82E-11
1,1-dichloroethene	75-35-4	0.00E+00	0.00E+00	3.93E-18	1.97E-18	2.92E-17	3.31E-17	3.12E-17	2.92E-17
1,2,3-trichlorobenzene	87-61-6	0.00E+00	0.00E+00	3.62E-11	1.81E-11	1.98E-09	2.02E-09	2.00E-09	1.98E-09
1,2,4-trichlorobenzene	120-82-1	0.00E+00	0.00E+00	1.34E-17	6.68E-18	6.74E-18	2.01E-17	1.34E-17	6.74E-18
1,2,4-trimethyl benzene	95-63-6	0.00E+00	0.00E+00	3.67E-11	1.83E-11	1.21E-10	1.58E-10	1.40E-10	1.21E-10
1,2-bis(ethylthio)-ethene	13105-10-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0.00E+00	0.00E+00	4.15E-18	2.07E-18	1.00E-17	1.42E-17	1.21E-17	1.00E-17
1,2-dichlorobutane	616-21-7	0.00E+00	0.00E+00	3.65E-10	1.83E-10	3.49E-09	3.85E-09	3.67E-09	3.49E-09
1,2-dichloroethane	107-06-2	0.00E+00	0.00E+00	1.12E-08	5.58E-09	2.09E-07	2.20E-07	2.15E-07	2.09E-07
1,2-dichloropropane	78-87-5	0.00E+00	0.00E+00	2.81E-13	1.41E-13	2.15E-12	2.43E-12	2.29E-12	2.15E-12
1,3-dichlorobenzene	541-73-1	0.00E+00	0.00E+00	3.89E-18	1.95E-18	9.14E-18	1.30E-17	1.11E-17	9.14E-18
1,4-dichlorobenzene	106-46-7	0.00E+00	0.00E+00	4.37E-18	2.19E-18	2.13E-18	6.50E-18	4.31E-18	2.13E-18
1,4-dioxane	123-91-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0.00E+00	0.00E+00	6.79E-07	3.40E-07	1.37E-04	1.38E-04	1.37E-04	1.37E-04
1,4-oxathiane	15980-15-1	0.00E+00	0.00E+00	8.31E-08	4.16E-08	5.00E-05	5.01E-05	5.00E-05	5.00E-05
1-chlorobutane	109-69-3	0.00E+00	0.00E+00	1.46E-14	7.32E-15	1.38E-13	1.53E-13	1.45E-13	1.38E-13
1-hexene	592-41-6	0.00E+00	0.00E+00	1.29E-12	6.45E-13	2.64E-12	3.93E-12	3.29E-12	2.64E-12
2,2-dimethyl-trans-thiirane	3772-13-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0.00E+00	0.00E+00	1.40E-16	7.01E-17	1.23E-15	1.37E-15	1.30E-15	1.23E-15
2,4-dinitrotoluene	121-14-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0.00E+00	0.00E+00	4.50E-11	2.25E-11	2.22E-07	2.22E-07	2.22E-07	2.22E-07
2-chlorobutane	78-86-4	0.00E+00	0.00E+00	1.99E-11	9.95E-12	3.42E-10	3.62E-10	3.52E-10	3.42E-10
2-chloroethoxyethane	112-26-5	0.00E+00	0.00E+00	5.19E-07	2.60E-07	1.48E-04	1.49E-04	1.48E-04	1.48E-04
2-ethyl 1,3-butadiene	3404-63-5	0.00E+00	0.00E+00	2.09E-13	1.04E-13	8.13E-13	1.02E-12	9.18E-13	8.13E-13
2-hexanone	591-78-6	0.00E+00	0.00E+00	9.52E-11	4.76E-11	2.65E-08	2.66E-08	2.65E-08	2.65E-08
2-methyl phenol	95-48-7	0.00E+00	0.00E+00	9.30E-16	4.65E-16	1.37E-14	1.46E-14	1.41E-14	1.37E-14
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0.00E+00	0.00E+00	1.54E-16	7.70E-17	9.83E-16	1.14E-15	1.06E-15	9.83E-16
3-methyl phenol	108-39-4	0.00E+00	0.00E+00	4.57E-10	2.29E-10	1.23E-08	1.27E-08	1.25E-08	1.23E-08
4-methyl phenol	106-44-5	0.00E+00	0.00E+00	4.33E-10	2.16E-10	4.58E-10	8.91E-10	6.75E-10	4.58E-10
4-methyl-2-pentanone	108-10-1	0.00E+00	0.00E+00	2.64E-11	1.32E-11	9.26E-08	9.26E-08	9.26E-08	9.26E-08
acenaphthylene	208-96-8	0.00E+00	0.00E+00	2.24E-16	1.12E-16	8.37E-16	1.06E-15	9.48E-16	8.37E-16
acetaldehyde	75-07-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0.00E+00	0.00E+00	8.19E-11	4.10E-11	3.45E-07	3.46E-07	3.45E-07	3.45E-07
acetylene	74-86-2	0.00E+00	0.00E+00	7.80E-13	3.90E-13	7.07E-13	1.49E-12	1.10E-12	7.07E-13
acrolein	107-02-8	0.00E+00	0.00E+00	7.82E-13	3.91E-13	6.53E-09	6.53E-09	6.53E-09	6.53E-09
alpha-methylstyrene	98-83-9	0.00E+00	0.00E+00	7.34E-11	3.67E-11	3.25E-10	3.98E-10	3.62E-10	3.25E-10
benzene	71-43-2	0.00E+00	0.00E+00	1.93E-12	9.66E-13	1.20E-11	1.39E-11	1.30E-11	1.20E-11
bis(2-chloroisopropyl) ether	108-60-1	0.00E+00	0.00E+00	1.35E-18	6.77E-19	4.04E-15	4.04E-15	4.04E-15	4.04E-15
carbon disulfide	75-15-0	0.00E+00	0.00E+00	2.62E-12	1.31E-12	1.47E-11	1.74E-11	1.60E-11	1.47E-11
chlorobenzene	108-90-7	0.00E+00	0.00E+00	8.48E-18	4.24E-18	2.01E-17	2.86E-17	2.44E-17	2.01E-17
chloroethane	75-00-3	0.00E+00	0.00E+00	3.73E-12	1.87E-12	5.83E-11	6.21E-11	6.02E-11	5.83E-11
chloroform	67-66-3	0.00E+00	0.00E+00	6.28E-12	3.14E-12	4.14E-11	4.76E-11	4.45E-11	4.14E-11
chloromethane	74-87-3	0.00E+00	0.00E+00	2.88E-13	1.44E-13	5.41E-11	5.44E-11	5.43E-11	5.41E-11
chloromethoxyethane	3188-13-4	0.00E+00	0.00E+00	1.81E-09	9.03E-10	7.06E-07	7.08E-07	7.07E-07	7.06E-07
cis-1,2-dichloroethene	156-59-2	0.00E+00	0.00E+00	4.94E-17	2.47E-17	4.16E-14	4.17E-14	4.16E-14	4.16E-14
dichlorodifluoromethane	75-71-8	0.00E+00	0.00E+00	6.50E-18	3.25E-18	1.80E-14	1.80E-14	1.80E-14	1.80E-14
diethyl ether	60-29-7	0.00E+00	0.00E+00	6.39E-11	3.19E-11	2.90E-09	2.96E-09	2.93E-09	2.90E-09
diethyl phthalate	84-66-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0.00E+00	0.00E+00	5.58E-13	2.79E-13	1.64E-11	1.70E-11	1.67E-11	1.64E-11
ethanol	64-17-5	0.00E+00	0.00E+00	2.00E-13	1.00E-13	3.83E-10	3.83E-10	3.83E-10	3.83E-10
ethene	74-85-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0.00E+00	0.00E+00	1.13E-10	5.63E-11	2.33E-10	3.46E-10	2.89E-10	2.33E-10
HD	505-60-2	0.00E+00	0.00E+00	3.26E-09	1.63E-09	6.98E-10	3.95E-09	2.33E-09	6.98E-10
hexachlorobutadiene	87-68-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0.00E+00	0.00E+00	5.26E-13	2.63E-13	8.40E-13	1.37E-12	1.10E-12	8.40E-13
methane	74-82-8	0.00E+00	0.00E+00	2.28E-14	1.14E-14	1.69E-12	1.71E-12	1.70E-12	1.69E-12
methyl tert-butyl ether	1634-04-4	0.00E+00	0.00E+00	4.21E-12	2.10E-12	2.65E-09	2.65E-09	2.65E-09	2.65E-09
methylene chloride	75-09-2	0.00E+00	0.00E+00	1.18E-11	5.89E-12	2.84E-10	2.95E-10	2.90E-10	2.84E-10
monoethanolamine	141-43-5	0.00E+00	0.00E+00	3.01E-09	1.51E-09	6.21E-08	6.51E-08	6.36E-08	6.21E-08
naphthalene	91-20-3	0.00E+00	0.00E+00	2.01E-11	1.01E-11	2.41E-09	2.43E-09	2.42E-09	2.41E-09
nitrobenzene	98-95-3	0.00E+00	0.00E+00	1.50E-18	7.48E-19	3.30E-16	3.32E-16	3.31E-16	3.30E-16
nitroglycerin	55-63-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0.00E+00	0.00E+00	1.51E-11	7.56E-12	2.35E-12	1.75E-11	9.92E-12	2.35E-12
pentane	109-66-0	0.00E+00	0.00E+00	5.21E-13	2.61E-13	1.98E-12	2.50E-12	2.24E-12	1.98E-12
phenanthrene	85-01-8	0.00E+00	0.00E+00	1.54E-15	7.72E-16	9.37E-16	2.48E-15	1.71E-15	9.37E-16
phenol	108-95-2	0.00E+00	0.00E+00	1.92E-15	9.62E-16	8.46E-14	8.65E-14	8.55E-14	8.46E-14
propene	115-07-1	0.00E+00	0.00E+00	7.72E-14	3.86E-14	4.81E-12	4.89E-12	4.85E-12	4.81E-12
styrene	100-42-5	0.00E+00	0.00E+00	1.79E-16	8.93E-17	5.04E-14	5.06E-14	5.05E-14	5.04E-14
tert-butyl alcohol	75-65-0	0.00E+00	0.00E+00	3.19E-11	1.59E-11	4.13E-08	4.14E-08	4.14E-08	4.13E-08
tetracene	92-24-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0.00E+00	0.00E+00	5.48E-10	2.74E-10	8.59E-11	6.34E-10	3.60E-10	8.59E-11
tetryl	479-45-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0.00E+00	0.00E+00	5.23E-12	2.61E-12	1.52E-09	1.53E-09	1.53E-09	1.52E-09
thiodiglycol	111-48-8	0.00E+00	0.00E+00	8.26E-08	4.13E-08	1.76E-04	1.76E-04	1.76E-04	1.76E-04
toluene	108-88-3	0.00E+00	0.00E+00	6.65E-11	3.33E-11	2.66E-10	3.33E-10	3.00E-10	2.66E-10
trans-1,2-dichloroethene	156-60-5	0.00E+00	0.00E+00	1.51E-17	7.56E-18	1.19E-16	1.34E-16	1.27E-16	1.19E-16
trichloroethene	79-01-6	0.00E+00	0.00E+00	3.26E-11	1.63E-11	2.43E-10	2.76E-10	2.59E-10	2.43E-10
vinyl chloride	75-01-4	0.00E+00	0.00E+00	8.10E-11	4.05E-11	3.51E-09	3.59E-09	3.55E-09	3.51E-09
xylenes	1330-20-7	0.00E+00	0.00E+00	4.56E-10	2.28E-10	3.48E-09	3.94E-09	3.71E-09	3.48E-09
aluminum	7429-90-5	9.41E-07	2.77E-07	0.00E+00	0.00E+00	2.01E-15	9.41E-07	2.77E-07	2.01E-15
ammonia	7664-41-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.28E-05	4.28E-05	4.28E-05	4.28E-05
arsenic	7440-38-2	2.16E-08	6.36E-09	0.00E+00	0.00E+00	6.88E-17	2.16E-08	6.36E-09	6.88E-17
cadmium	7440-43-9	1.08E-08	3.18E-09	0.00E+00	0.00E+00	4.36E-14	1.08E-08	3.18E-09	4.36E-14
chlorine	7782-50-5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	4.51E-06	4.51E-06	4.51E-06	4.51E-06
copper	7440-50-8	2.28E-07	6.72E-08	0.00E+00	0.00E+00	9.32E-12	2.28E-07	6.72E-08	9.32E-12
hydrogen chloride	7647-01-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.30E-06	2.30E-06	2.30E-06	2.30E-06
hydrogen cyanide	74-90-8	0.00E+00	0.00E+00	1.46E-09	7.30E-10	1.21E-10	1.58E-09	8.50E-10	1.21E-10
lead	7439-92-1	8.29E-08	2.44E-08	0.00E+00	0.00E+00	5.43E-13	8.29E-08	2.44E-08	5.43E-13
nickel	7440-02-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	4.90E-10	1.44E-10	0.00E+00	0.00E+00	3.07E-16	4.90E-10	1.44E-10	3.07E-16

1. Grain was assumed grown on untilled land (Zs = 2cm). This causes a higher COPC concentration in grain, rather than using the default tilled soil depth of 20cm.

CONCENTRATIONS OF COPCS IN ANIMAL FEED FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Adult Farmer Exposure Scenario									
		Concentration Due to Individual Uptake Mechanisms					Forage	Silage	Grain[1]
COPC	CAS Number	Due to Direct Deposition - Forage (mg/kg) Pd_{forage}	Due to Direct Deposition - Silage (mg/kg) Pd_{silage}	Due to Air-to-Plant Transfer - Forage (mg/kg) Pv_{forage}	Due to Air-to-Plant Transfer - Silage (mg/kg) Pv_{silage}	Due to Direct Uptake from Soil (mg/kg) Pr	Due to All Processes (mg/kg) P_{forage}	Due to All Processes (mg/kg) P_{silage}	Due to All Processes (mg/kg) P_{grain}
1,1,1,2-tetrachloroethane	630-20-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0.00E+00	0.00E+00	2.48E-09	1.24E-09	7.30E-09	9.78E-09	8.54E-09	7.30E-09
1,1-dichloroethane	75-34-3	0.00E+00	0.00E+00	4.79E-12	2.39E-12	4.37E-11	4.84E-11	4.60E-11	4.37E-11
1,1-dichloroethene	75-35-4	0.00E+00	0.00E+00	3.93E-18	1.97E-18	2.19E-17	2.58E-17	2.39E-17	2.19E-17
1,2,3-trichlorobenzene	87-61-6	0.00E+00	0.00E+00	3.62E-11	1.81E-11	1.49E-09	1.52E-09	1.50E-09	1.49E-09
1,2,4-trichlorobenzene	120-82-1	0.00E+00	0.00E+00	1.34E-17	6.68E-18	5.05E-18	1.84E-17	1.17E-17	5.05E-18
1,2,4-trimethyl benzene	95-63-6	0.00E+00	0.00E+00	3.67E-11	1.83E-11	9.10E-11	1.28E-10	1.09E-10	9.10E-11
1,2-bis(ethylthio)-ethene	13105-10-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0.00E+00	0.00E+00	4.15E-18	2.07E-18	7.50E-18	1.17E-17	9.58E-18	7.50E-18
1,2-dichlorobutane	616-21-7	0.00E+00	0.00E+00	3.65E-10	1.83E-10	2.62E-09	2.98E-09	2.80E-09	2.62E-09
1,2-dichloroethane	107-06-2	0.00E+00	0.00E+00	1.12E-08	5.58E-09	1.57E-07	1.68E-07	1.62E-07	1.57E-07
1,2-dichloropropane	78-87-5	0.00E+00	0.00E+00	2.81E-13	1.41E-13	1.61E-12	1.89E-12	1.75E-12	1.61E-12
1,3-dichlorobenzene	541-73-1	0.00E+00	0.00E+00	3.89E-18	1.95E-18	6.86E-18	1.07E-17	8.80E-18	6.86E-18
1,4-dichlorobenzene	106-46-7	0.00E+00	0.00E+00	4.37E-18	2.19E-18	1.59E-18	5.97E-18	3.78E-18	1.59E-18
1,4-dioxane	123-91-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0.00E+00	0.00E+00	6.79E-07	3.40E-07	1.03E-04	1.03E-04	1.03E-04	1.03E-04
1,4-oxathiane	15980-15-1	0.00E+00	0.00E+00	8.31E-08	4.16E-08	3.75E-05	3.76E-05	3.75E-05	3.75E-05
1-chlorobutane	109-69-3	0.00E+00	0.00E+00	1.46E-14	7.32E-15	1.03E-13	1.18E-13	1.11E-13	1.03E-13
1-hexene	592-41-6	0.00E+00	0.00E+00	1.29E-12	6.45E-13	1.98E-12	3.27E-12	2.63E-12	1.98E-12
2,2-dimethyl-trans-thiirane	3772-13-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0.00E+00	0.00E+00	1.40E-16	7.01E-17	9.20E-16	1.06E-15	9.90E-16	9.20E-16
2,4-dinitrotoluene	121-14-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0.00E+00	0.00E+00	4.50E-11	2.25E-11	1.67E-07	1.67E-07	1.67E-07	1.67E-07
2-chlorobutane	78-86-4	0.00E+00	0.00E+00	1.99E-11	9.95E-12	2.57E-10	2.77E-10	2.67E-10	2.57E-10
2-chloroethoxyethane	112-26-5	0.00E+00	0.00E+00	5.19E-07	2.60E-07	1.11E-04	1.12E-04	1.11E-04	1.11E-04
2-ethyl 1,3-butadiene	3404-63-5	0.00E+00	0.00E+00	2.09E-13	1.04E-13	6.10E-13	8.19E-13	7.14E-13	6.10E-13
2-hexanone	591-78-6	0.00E+00	0.00E+00	9.52E-11	4.76E-11	1.99E-08	2.00E-08	1.99E-08	1.99E-08
2-methyl phenol	95-48-7	0.00E+00	0.00E+00	9.30E-16	4.65E-16	1.02E-14	1.12E-14	1.07E-14	1.02E-14
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0.00E+00	0.00E+00	1.54E-16	7.70E-17	7.37E-16	8.91E-16	8.14E-16	7.37E-16
3-methyl phenol	108-39-4	0.00E+00	0.00E+00	4.57E-10	2.29E-10	9.19E-09	9.64E-09	9.42E-09	9.19E-09
4-methyl phenol	106-44-5	0.00E+00	0.00E+00	4.33E-10	2.16E-10	3.44E-10	7.76E-10	5.60E-10	3.44E-10
4-methyl-2-pentanone	108-10-1	0.00E+00	0.00E+00	2.64E-11	1.32E-11	6.94E-08	6.95E-08	6.94E-08	6.94E-08
acenaphthylene	208-96-8	0.00E+00	0.00E+00	2.24E-16	1.12E-16	6.27E-16	8.51E-16	7.39E-16	6.27E-16
acetaldehyde	75-07-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0.00E+00	0.00E+00	8.19E-11	4.10E-11	2.59E-07	2.59E-07	2.59E-07	2.59E-07
acetylene	74-86-2	0.00E+00	0.00E+00	7.80E-13	3.90E-13	5.30E-13	1.31E-12	9.20E-13	5.30E-13
acrolein	107-02-8	0.00E+00	0.00E+00	7.82E-13	3.91E-13	4.90E-09	4.90E-09	4.90E-09	4.90E-09
alpha-methylstyrene	98-83-9	0.00E+00	0.00E+00	7.34E-11	3.67E-11	2.44E-10	3.17E-10	2.80E-10	2.44E-10
benzene	71-43-2	0.00E+00	0.00E+00	1.93E-12	9.66E-13	9.01E-12	1.09E-11	9.97E-12	9.01E-12
bis(2-chloroisopropyl) ether	108-60-1	0.00E+00	0.00E+00	1.35E-18	6.77E-19	3.03E-15	3.03E-15	3.03E-15	3.03E-15
carbon disulfide	75-15-0	0.00E+00	0.00E+00	2.62E-12	1.31E-12	1.11E-11	1.37E-11	1.24E-11	1.11E-11
chlorobenzene	108-90-7	0.00E+00	0.00E+00	8.48E-18	4.24E-18	1.51E-17	2.36E-17	1.93E-17	1.51E-17
chloroethane	75-00-3	0.00E+00	0.00E+00	3.73E-12	1.87E-12	4.37E-11	4.75E-11	4.56E-11	4.37E-11
chloroform	67-66-3	0.00E+00	0.00E+00	6.28E-12	3.14E-12	3.10E-11	3.73E-11	3.42E-11	3.10E-11
chloromethane	74-87-3	0.00E+00	0.00E+00	2.88E-13	1.44E-13	4.06E-11	4.09E-11	4.07E-11	4.06E-11
chloromethoxyethane	3188-13-4	0.00E+00	0.00E+00	1.81E-09	9.03E-10	5.30E-07	5.32E-07	5.31E-07	5.30E-07
cis-1,2-dichloroethene	156-59-2	0.00E+00	0.00E+00	4.94E-17	2.47E-17	3.12E-14	3.13E-14	3.12E-14	3.12E-14
dichlorodifluoromethane	75-71-8	0.00E+00	0.00E+00	6.50E-18	3.25E-18	1.35E-14	1.35E-14	1.35E-14	1.35E-14
diethyl ether	60-29-7	0.00E+00	0.00E+00	6.39E-11	3.19E-11	2.17E-09	2.24E-09	2.21E-09	2.17E-09
diethyl phthalate	84-66-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0.00E+00	0.00E+00	5.58E-13	2.79E-13	1.23E-11	1.29E-11	1.26E-11	1.23E-11
ethanol	64-17-5	0.00E+00	0.00E+00	2.00E-13	1.00E-13	2.87E-10	2.88E-10	2.87E-10	2.87E-10
ethene	74-85-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0.00E+00	0.00E+00	1.13E-10	5.63E-11	1.75E-10	2.87E-10	2.31E-10	1.75E-10
HD	505-60-2	0.00E+00	0.00E+00	3.26E-09	1.63E-09	5.24E-10	3.78E-09	2.15E-09	5.24E-10
hexachlorobutadiene	87-68-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0.00E+00	0.00E+00	5.26E-13	2.63E-13	6.30E-13	1.16E-12	8.93E-13	6.30E-13
methane	74-82-8	0.00E+00	0.00E+00	2.28E-14	1.14E-14	1.26E-12	1.29E-12	1.28E-12	1.26E-12
methyl tert-butyl ether	1634-04-4	0.00E+00	0.00E+00	4.21E-12	2.10E-12	1.98E-09	1.99E-09	1.99E-09	1.98E-09
methylene chloride	75-09-2	0.00E+00	0.00E+00	1.18E-11	5.89E-12	2.13E-10	2.25E-10	2.19E-10	2.13E-10
monoethanolamine	141-43-5	0.00E+00	0.00E+00	3.01E-09	1.51E-09	4.66E-08	4.96E-08	4.81E-08	4.66E-08
naphthalene	91-20-3	0.00E+00	0.00E+00	2.01E-11	1.01E-11	1.80E-09	1.82E-09	1.81E-09	1.80E-09
nitrobenzene	98-95-3	0.00E+00	0.00E+00	1.50E-18	7.48E-19	2.48E-16	2.49E-16	2.48E-16	2.48E-16
nitroglycerin	55-63-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0.00E+00	0.00E+00	1.51E-11	7.56E-12	1.76E-12	1.69E-11	9.33E-12	1.76E-12
pentane	109-66-0	0.00E+00	0.00E+00	5.21E-13	2.61E-13	1.48E-12	2.01E-12	1.75E-12	1.48E-12
phenanthrene	85-01-8	0.00E+00	0.00E+00	1.54E-15	7.72E-16	7.03E-16	2.25E-15	1.47E-15	7.03E-16
phenol	108-95-2	0.00E+00	0.00E+00	1.92E-15	9.62E-16	6.34E-14	6.54E-14	6.44E-14	6.34E-14
propene	115-07-1	0.00E+00	0.00E+00	7.72E-14	3.86E-14	3.61E-12	3.69E-12	3.65E-12	3.61E-12
styrene	100-42-5	0.00E+00	0.00E+00	1.79E-16	8.93E-17	3.78E-14	3.80E-14	3.79E-14	3.78E-14
tert-butyl alcohol	75-65-0	0.00E+00	0.00E+00	3.19E-11	1.59E-11	3.10E-08	3.10E-08	3.10E-08	3.10E-08
tetracene	92-24-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0.00E+00	0.00E+00	5.48E-10	2.74E-10	6.44E-11	6.13E-10	3.39E-10	6.44E-11
tetryl	479-45-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0.00E+00	0.00E+00	5.23E-12	2.61E-12	1.14E-09	1.15E-09	1.14E-09	1.14E-09
thiodiglycol	111-48-8	0.00E+00	0.00E+00	8.26E-08	4.13E-08	1.32E-04	1.32E-04	1.32E-04	1.32E-04
toluene	108-88-3	0.00E+00	0.00E+00	6.65E-11	3.33E-11	2.00E-10	2.66E-10	2.33E-10	2.00E-10
trans-1,2-dichloroethene	156-60-5	0.00E+00	0.00E+00	1.51E-17	7.56E-18	8.95E-17	1.05E-16	9.71E-17	8.95E-17
trichloroethene	79-01-6	0.00E+00	0.00E+00	3.26E-11	1.63E-11	1.82E-10	2.15E-10	1.98E-10	1.82E-10
vinyl chloride	75-01-4	0.00E+00	0.00E+00	8.10E-11	4.05E-11	2.63E-09	2.71E-09	2.67E-09	2.63E-09
xylenes	1330-20-7	0.00E+00	0.00E+00	4.56E-10	2.28E-10	2.61E-09	3.07E-09	2.84E-09	2.61E-09
aluminum	7429-90-5	9.41E-07	2.77E-07	0.00E+00	0.00E+00	1.51E-15	9.41E-07	2.77E-07	1.51E-15
ammonia	7664-41-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.21E-05	3.21E-05	3.21E-05	3.21E-05
arsenic	7440-38-2	2.16E-08	6.36E-09	0.00E+00	0.00E+00	5.16E-17	2.16E-08	6.36E-09	5.16E-17
cadmium	7440-43-9	1.08E-08	3.18E-09	0.00E+00	0.00E+00	3.27E-14	1.08E-08	3.18E-09	3.27E-14
chlorine	7782-50-5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	3.38E-06	3.38E-06	3.38E-06	3.38E-06
copper	7440-50-8	2.28E-07	6.72E-08	0.00E+00	0.00E+00	6.99E-12	2.28E-07	6.72E-08	6.99E-12
hydrogen chloride	7647-01-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.73E-06	1.73E-06	1.73E-06	1.73E-06
hydrogen cyanide	74-90-8	0.00E+00	0.00E+00	1.46E-09	7.30E-10	9.06E-11	1.55E-09	8.20E-10	9.06E-11
lead	7439-92-1	8.29E-08	2.44E-08	0.00E+00	0.00E+00	4.07E-13	8.29E-08	2.44E-08	4.07E-13
nickel	7440-02-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	4.90E-10	1.44E-10	0.00E+00	0.00E+00	2.30E-16	4.90E-10	1.44E-10	2.30E-16

1. Grain was assumed grown on untilled land (Zs = 2cm). This causes a higher COPC concentration in grain, rather than using the default tilled soil depth of 20cm.

CONCENTRATIONS OF COPCS IN ANIMAL FEED FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Child Exposure Scenarios									
		Concentration Due to Individual Uptake Mechanisms					Forage	Silage	Grain[1]
COPC	CAS Number	Due to Direct Deposition - Forage (mg/kg) Pd_{forage}	Due to Direct Deposition - Silage (mg/kg) Pd_{silage}	Due to Air-to-Plant Transfer - Forage (mg/kg) Pv_{forage}	Due to Air-to-Plant Transfer - Silage (mg/kg) Pv_{silage}	Due to Direct Uptake from Soil (mg/kg) Pr	Due to All Processes (mg/kg) P_{forage}	Due to All Processes (mg/kg) P_{silage}	Due to All Processes (mg/kg) P_{grain}
1,1,1,2-tetrachloroethane	630-20-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0.00E+00	0.00E+00	2.48E-09	1.24E-09	5.84E-08	6.09E-08	5.96E-08	5.84E-08
1,1-dichloroethane	75-34-3	0.00E+00	0.00E+00	4.79E-12	2.39E-12	3.49E-10	3.54E-10	3.52E-10	3.49E-10
1,1-dichloroethene	75-35-4	0.00E+00	0.00E+00	3.93E-18	1.97E-18	1.75E-16	1.79E-16	1.77E-16	1.75E-16
1,2,3-trichlorobenzene	87-61-6	0.00E+00	0.00E+00	3.62E-11	1.81E-11	1.12E-08	1.12E-08	1.12E-08	1.12E-08
1,2,4-trichlorobenzene	120-82-1	0.00E+00	0.00E+00	1.34E-17	6.68E-18	4.04E-17	5.38E-17	4.71E-17	4.04E-17
1,2,4-trimethyl benzene	95-63-6	0.00E+00	0.00E+00	3.67E-11	1.83E-11	7.28E-10	7.64E-10	7.46E-10	7.28E-10
1,2-bis(ethylthio)-ethene	13105-10-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0.00E+00	0.00E+00	4.15E-18	2.07E-18	6.00E-17	6.42E-17	6.21E-17	6.00E-17
1,2-dichlorobutane	616-21-7	0.00E+00	0.00E+00	3.65E-10	1.83E-10	2.09E-08	2.13E-08	2.11E-08	2.09E-08
1,2-dichloroethane	107-06-2	0.00E+00	0.00E+00	1.12E-08	5.58E-09	1.25E-06	1.26E-06	1.26E-06	1.25E-06
1,2-dichloropropane	78-87-5	0.00E+00	0.00E+00	2.81E-13	1.41E-13	1.29E-11	1.32E-11	1.30E-11	1.29E-11
1,3-dichlorobenzene	541-73-1	0.00E+00	0.00E+00	3.89E-18	1.95E-18	5.48E-17	5.87E-17	5.68E-17	5.48E-17
1,4-dichlorobenzene	106-46-7	0.00E+00	0.00E+00	4.37E-18	2.19E-18	1.28E-17	1.71E-17	1.49E-17	1.28E-17
1,4-dioxane	123-91-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0.00E+00	0.00E+00	6.79E-07	3.40E-07	8.20E-04	8.20E-04	8.20E-04	8.20E-04
1,4-oxathiane	15980-15-1	0.00E+00	0.00E+00	8.31E-08	4.16E-08	3.00E-04	3.00E-04	3.00E-04	3.00E-04
1-chlorobutane	109-69-3	0.00E+00	0.00E+00	1.46E-14	7.32E-15	8.28E-13	8.42E-13	8.35E-13	8.28E-13
1-hexene	592-41-6	0.00E+00	0.00E+00	1.29E-12	6.45E-13	1.58E-11	1.71E-11	1.65E-11	1.58E-11
2,2-dimethyl-trans-thiirane	3772-13-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0.00E+00	0.00E+00	1.40E-16	7.01E-17	7.08E-15	7.22E-15	7.15E-15	7.08E-15
2,4-dinitrotoluene	121-14-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0.00E+00	0.00E+00	4.50E-11	2.25E-11	1.33E-06	1.33E-06	1.33E-06	1.33E-06
2-chlorobutane	78-86-4	0.00E+00	0.00E+00	1.99E-11	9.95E-12	2.05E-09	2.07E-09	2.06E-09	2.05E-09
2-chloroethoxyethane	112-26-5	0.00E+00	0.00E+00	5.19E-07	2.60E-07	8.77E-04	8.77E-04	8.77E-04	8.77E-04
2-ethyl 1,3-butadiene	3404-63-5	0.00E+00	0.00E+00	2.09E-13	1.04E-13	4.88E-12	5.09E-12	4.98E-12	4.88E-12
2-hexanone	591-78-6	0.00E+00	0.00E+00	9.52E-11	4.76E-11	1.59E-07	1.59E-07	1.59E-07	1.59E-07
2-methyl phenol	95-48-7	0.00E+00	0.00E+00	9.30E-16	4.65E-16	8.15E-14	8.25E-14	8.20E-14	8.15E-14
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0.00E+00	0.00E+00	1.54E-16	7.70E-17	5.86E-15	6.01E-15	5.93E-15	5.86E-15
3-methyl phenol	108-39-4	0.00E+00	0.00E+00	4.57E-10	2.29E-10	7.24E-08	7.28E-08	7.26E-08	7.24E-08
4-methyl phenol	106-44-5	0.00E+00	0.00E+00	4.33E-10	2.16E-10	2.75E-09	3.18E-09	2.97E-09	2.75E-09
4-methyl-2-pentanone	108-10-1	0.00E+00	0.00E+00	2.64E-11	1.32E-11	5.55E-07	5.55E-07	5.55E-07	5.55E-07
acenaphthylene	208-96-8	0.00E+00	0.00E+00	2.24E-16	1.12E-16	4.90E-15	5.12E-15	5.01E-15	4.90E-15
acetaldehyde	75-07-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0.00E+00	0.00E+00	8.19E-11	4.10E-11	2.07E-06	2.07E-06	2.07E-06	2.07E-06
acetylene	74-86-2	0.00E+00	0.00E+00	7.80E-13	3.90E-13	4.24E-12	5.02E-12	4.63E-12	4.24E-12
acrolein	107-02-8	0.00E+00	0.00E+00	7.82E-13	3.91E-13	3.92E-08	3.92E-08	3.92E-08	3.92E-08
alpha-methylstyrene	98-83-9	0.00E+00	0.00E+00	7.34E-11	3.67E-11	1.95E-09	2.02E-09	1.99E-09	1.95E-09
benzene	71-43-2	0.00E+00	0.00E+00	1.93E-12	9.66E-13	7.21E-11	7.40E-11	7.30E-11	7.21E-11
bis(2-chloroisopropyl) ether	108-60-1	0.00E+00	0.00E+00	1.35E-18	6.77E-19	2.39E-14	2.39E-14	2.39E-14	2.39E-14
carbon disulfide	75-15-0	0.00E+00	0.00E+00	2.62E-12	1.31E-12	8.84E-11	9.10E-11	8.97E-11	8.84E-11
chlorobenzene	108-90-7	0.00E+00	0.00E+00	8.48E-18	4.24E-18	1.21E-16	1.29E-16	1.25E-16	1.21E-16
chloroethane	75-00-3	0.00E+00	0.00E+00	3.73E-12	1.87E-12	3.50E-10	3.54E-10	3.52E-10	3.50E-10
chloroform	67-66-3	0.00E+00	0.00E+00	6.28E-12	3.14E-12	2.48E-10	2.54E-10	2.51E-10	2.48E-10
chloromethane	74-87-3	0.00E+00	0.00E+00	2.88E-13	1.44E-13	3.25E-10	3.25E-10	3.25E-10	3.25E-10
chloromethoxyethane	3188-13-4	0.00E+00	0.00E+00	1.81E-09	9.03E-10	4.24E-06	4.24E-06	4.24E-06	4.24E-06
cis-1,2-dichloroethene	156-59-2	0.00E+00	0.00E+00	4.94E-17	2.47E-17	2.50E-13	2.50E-13	2.50E-13	2.50E-13
dichlorodifluoromethane	75-71-8	0.00E+00	0.00E+00	6.50E-18	3.25E-18	1.08E-13	1.08E-13	1.08E-13	1.08E-13
diethyl ether	60-29-7	0.00E+00	0.00E+00	6.39E-11	3.19E-11	1.74E-08	1.75E-08	1.74E-08	1.74E-08
diethyl phthalate	84-66-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0.00E+00	0.00E+00	5.58E-13	2.79E-13	9.86E-11	9.92E-11	9.89E-11	9.86E-11
ethanol	64-17-5	0.00E+00	0.00E+00	2.00E-13	1.00E-13	2.30E-09	2.30E-09	2.30E-09	2.30E-09
ethene	74-85-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0.00E+00	0.00E+00	1.13E-10	5.63E-11	1.40E-09	1.51E-09	1.45E-09	1.40E-09
HD	505-60-2	0.00E+00	0.00E+00	3.26E-09	1.63E-09	4.19E-09	7.44E-09	5.82E-09	4.19E-09
hexachlorobutadiene	87-68-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0.00E+00	0.00E+00	5.26E-13	2.63E-13	5.04E-12	5.57E-12	5.30E-12	5.04E-12
methane	74-82-8	0.00E+00	0.00E+00	2.28E-14	1.14E-14	1.01E-11	1.01E-11	1.01E-11	1.01E-11
methyl tert-butyl ether	1634-04-4	0.00E+00	0.00E+00	4.21E-12	2.10E-12	1.59E-08	1.59E-08	1.59E-08	1.59E-08
methylene chloride	75-09-2	0.00E+00	0.00E+00	1.18E-11	5.89E-12	1.70E-09	1.71E-09	1.71E-09	1.70E-09
monoethanolamine	141-43-5	0.00E+00	0.00E+00	3.01E-09	1.51E-09	3.72E-07	3.75E-07	3.74E-07	3.72E-07
naphthalene	91-20-3	0.00E+00	0.00E+00	2.01E-11	1.01E-11	1.42E-08	1.42E-08	1.42E-08	1.42E-08
nitrobenzene	98-95-3	0.00E+00	0.00E+00	1.50E-18	7.48E-19	1.98E-15	1.98E-15	1.98E-15	1.98E-15
nitroglycerin	55-63-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0.00E+00	0.00E+00	1.51E-11	7.56E-12	1.41E-11	2.92E-11	2.17E-11	1.41E-11
pentane	109-66-0	0.00E+00	0.00E+00	5.21E-13	2.61E-13	1.19E-11	1.24E-11	1.21E-11	1.19E-11
phenanthrene	85-01-8	0.00E+00	0.00E+00	1.54E-15	7.72E-16	4.73E-15	6.28E-15	5.50E-15	4.73E-15
phenol	108-95-2	0.00E+00	0.00E+00	1.92E-15	9.62E-16	5.04E-13	5.05E-13	5.05E-13	5.04E-13
propene	115-07-1	0.00E+00	0.00E+00	7.72E-14	3.86E-14	2.89E-11	2.90E-11	2.89E-11	2.89E-11
styrene	100-42-5	0.00E+00	0.00E+00	1.79E-16	8.93E-17	3.02E-13	3.02E-13	3.02E-13	3.02E-13
tert-butyl alcohol	75-65-0	0.00E+00	0.00E+00	3.19E-11	1.59E-11	2.48E-07	2.48E-07	2.48E-07	2.48E-07
tetracene	92-24-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0.00E+00	0.00E+00	5.48E-10	2.74E-10	5.16E-10	1.06E-09	7.90E-10	5.16E-10
tetryl	479-45-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0.00E+00	0.00E+00	5.23E-12	2.61E-12	9.14E-09	9.14E-09	9.14E-09	9.14E-09
thiodiglycol	111-48-8	0.00E+00	0.00E+00	8.26E-08	4.13E-08	1.02E-03	1.02E-03	1.02E-03	1.02E-03
toluene	108-88-3	0.00E+00	0.00E+00	6.65E-11	3.33E-11	1.60E-09	1.66E-09	1.63E-09	1.60E-09
trans-1,2-dichloroethene	156-60-5	0.00E+00	0.00E+00	1.51E-17	7.56E-18	7.16E-16	7.31E-16	7.24E-16	7.16E-16
trichloroethene	79-01-6	0.00E+00	0.00E+00	3.26E-11	1.63E-11	1.46E-09	1.49E-09	1.47E-09	1.46E-09
vinyl chloride	75-01-4	0.00E+00	0.00E+00	8.10E-11	4.05E-11	2.11E-08	2.11E-08	2.11E-08	2.11E-08
xylenes	1330-20-7	0.00E+00	0.00E+00	4.56E-10	2.28E-10	2.09E-08	2.13E-08	2.11E-08	2.09E-08
aluminum	7429-90-5	9.41E-07	2.77E-07	0.00E+00	0.00E+00	1.20E-14	9.41E-07	2.77E-07	1.20E-14
ammonia	7664-41-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	2.57E-04	2.57E-04	2.57E-04
arsenic	7440-38-2	2.16E-08	6.36E-09	0.00E+00	0.00E+00	4.13E-16	2.16E-08	6.36E-09	4.13E-16
cadmium	7440-43-9	1.08E-08	3.18E-09	0.00E+00	0.00E+00	2.61E-13	1.08E-08	3.19E-09	2.61E-13
chlorine	7782-50-5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	2.70E-05	2.70E-05	2.70E-05
copper	7440-50-8	2.28E-07	6.72E-08	0.00E+00	0.00E+00	5.59E-11	2.28E-07	6.72E-08	5.59E-11
hydrogen chloride	7647-01-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	1.38E-05	1.38E-05	1.38E-05
hydrogen cyanide	74-90-8	0.00E+00	0.00E+00	1.46E-09	7.30E-10	7.25E-10	2.18E-09	1.45E-09	7.25E-10
lead	7439-92-1	8.29E-08	2.44E-08	0.00E+00	0.00E+00	3.25E-12	8.29E-08	2.44E-08	3.25E-12
nickel	7440-02-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	4.90E-10	1.44E-10	0.00E+00	0.00E+00	1.84E-15	4.90E-10	1.44E-10	1.84E-15

1. Grain was assumed grown on untilled land (Zs = 2cm). This causes a higher COPC concentration in grain, rather than using the default tilled soil depth of 20cm.

CONCENTRATIONS OF COPCS IN ANIMAL FEED FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Infant Exposure Scenarios									
		Concentration Due to Individual Uptake Mechanisms					Forage	Silage	Grain[1]
COPC	CAS Number	Due to Direct Deposition - Forage (mg/kg) Pd_{forage}	Due to Direct Deposition - Silage (mg/kg) Pd_{silage}	Due to Air-to-Plant Transfer - Forage (mg/kg) Pv_{forage}	Due to Air-to-Plant Transfer - Silage (mg/kg) Pv_{silage}	Due to Direct Uptake from Soil (mg/kg) Pr	Due to All Processes (mg/kg) P_{forage}	Due to All Processes (mg/kg) P_{silage}	Due to All Processes (mg/kg) P_{grain}
1,1,1,2-tetrachloroethane	630-20-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0.00E+00	0.00E+00	2.48E-09	1.24E-09	5.84E-08	6.09E-08	5.96E-08	5.84E-08
1,1-dichloroethane	75-34-3	0.00E+00	0.00E+00	4.79E-12	2.39E-12	3.49E-10	3.54E-10	3.52E-10	3.49E-10
1,1-dichloroethene	75-35-4	0.00E+00	0.00E+00	3.93E-18	1.97E-18	1.75E-16	1.79E-16	1.77E-16	1.75E-16
1,2,3-trichlorobenzene	87-61-6	0.00E+00	0.00E+00	3.62E-11	1.81E-11	1.12E-08	1.12E-08	1.12E-08	1.12E-08
1,2,4-trichlorobenzene	120-82-1	0.00E+00	0.00E+00	1.34E-17	6.68E-18	4.04E-17	5.38E-17	4.71E-17	4.04E-17
1,2,4-trimethyl benzene	95-63-6	0.00E+00	0.00E+00	3.67E-11	1.83E-11	7.28E-10	7.64E-10	7.46E-10	7.28E-10
1,2-bis(ethylthio)-ethene	13105-10-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0.00E+00	0.00E+00	4.15E-18	2.07E-18	6.00E-17	6.42E-17	6.21E-17	6.00E-17
1,2-dichlorobutane	616-21-7	0.00E+00	0.00E+00	3.65E-10	1.83E-10	2.09E-08	2.13E-08	2.11E-08	2.09E-08
1,2-dichloroethane	107-06-2	0.00E+00	0.00E+00	1.12E-08	5.58E-09	1.25E-06	1.26E-06	1.26E-06	1.25E-06
1,2-dichloropropane	78-87-5	0.00E+00	0.00E+00	2.81E-13	1.41E-13	1.29E-11	1.32E-11	1.30E-11	1.29E-11
1,3-dichlorobenzene	541-73-1	0.00E+00	0.00E+00	3.89E-18	1.95E-18	5.48E-17	5.87E-17	5.68E-17	5.48E-17
1,4-dichlorobenzene	106-46-7	0.00E+00	0.00E+00	4.37E-18	2.19E-18	1.28E-17	1.71E-17	1.49E-17	1.28E-17
1,4-dioxane	123-91-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0.00E+00	0.00E+00	6.79E-07	3.40E-07	8.20E-04	8.20E-04	8.20E-04	8.20E-04
1,4-oxathiane	15980-15-1	0.00E+00	0.00E+00	8.31E-08	4.16E-08	3.00E-04	3.00E-04	3.00E-04	3.00E-04
1-chlorobutane	109-69-3	0.00E+00	0.00E+00	1.46E-14	7.32E-15	8.28E-13	8.42E-13	8.35E-13	8.28E-13
1-hexene	592-41-6	0.00E+00	0.00E+00	1.29E-12	6.45E-13	1.58E-11	1.71E-11	1.65E-11	1.58E-11
2,2-dimethyl-trans-thiirane	3772-13-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0.00E+00	0.00E+00	1.40E-16	7.01E-17	7.08E-15	7.22E-15	7.15E-15	7.08E-15
2,4-dinitrotoluene	121-14-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0.00E+00	0.00E+00	4.50E-11	2.25E-11	1.33E-06	1.33E-06	1.33E-06	1.33E-06
2-chlorobutane	78-86-4	0.00E+00	0.00E+00	1.99E-11	9.95E-12	2.05E-09	2.07E-09	2.06E-09	2.05E-09
2-chloroethoxyethane	112-26-5	0.00E+00	0.00E+00	5.19E-07	2.60E-07	8.77E-04	8.77E-04	8.77E-04	8.77E-04
2-ethyl 1,3-butadiene	3404-63-5	0.00E+00	0.00E+00	2.09E-13	1.04E-13	4.88E-12	5.09E-12	4.98E-12	4.88E-12
2-hexanone	591-78-6	0.00E+00	0.00E+00	9.52E-11	4.76E-11	1.59E-07	1.59E-07	1.59E-07	1.59E-07
2-methyl phenol	95-48-7	0.00E+00	0.00E+00	9.30E-16	4.65E-16	8.15E-14	8.25E-14	8.20E-14	8.15E-14
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0.00E+00	0.00E+00	1.54E-16	7.70E-17	5.86E-15	6.01E-15	5.93E-15	5.86E-15
3-methyl phenol	108-39-4	0.00E+00	0.00E+00	4.57E-10	2.29E-10	7.24E-08	7.28E-08	7.26E-08	7.24E-08
4-methyl phenol	106-44-5	0.00E+00	0.00E+00	4.33E-10	2.16E-10	2.75E-09	3.18E-09	2.97E-09	2.75E-09
4-methyl-2-pentanone	108-10-1	0.00E+00	0.00E+00	2.64E-11	1.32E-11	5.55E-07	5.55E-07	5.55E-07	5.55E-07
acenaphthylene	208-96-8	0.00E+00	0.00E+00	2.24E-16	1.12E-16	4.90E-15	5.12E-15	5.01E-15	4.90E-15
acetaldehyde	75-07-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0.00E+00	0.00E+00	8.19E-11	4.10E-11	2.07E-06	2.07E-06	2.07E-06	2.07E-06
acetylene	74-86-2	0.00E+00	0.00E+00	7.80E-13	3.90E-13	4.24E-12	5.02E-12	4.63E-12	4.24E-12
acrolein	107-02-8	0.00E+00	0.00E+00	7.82E-13	3.91E-13	3.92E-08	3.92E-08	3.92E-08	3.92E-08
alpha-methylstyrene	98-83-9	0.00E+00	0.00E+00	7.34E-11	3.67E-11	1.95E-09	2.02E-09	1.99E-09	1.95E-09
benzene	71-43-2	0.00E+00	0.00E+00	1.93E-12	9.66E-13	7.21E-11	7.40E-11	7.30E-11	7.21E-11
bis(2-chloroisopropyl) ether	108-60-1	0.00E+00	0.00E+00	1.35E-18	6.77E-19	2.39E-14	2.39E-14	2.39E-14	2.39E-14
carbon disulfide	75-15-0	0.00E+00	0.00E+00	2.62E-12	1.31E-12	8.84E-11	9.10E-11	8.97E-11	8.84E-11
chlorobenzene	108-90-7	0.00E+00	0.00E+00	8.48E-18	4.24E-18	1.21E-16	1.29E-16	1.25E-16	1.21E-16
chloroethane	75-00-3	0.00E+00	0.00E+00	3.73E-12	1.87E-12	3.50E-10	3.54E-10	3.52E-10	3.50E-10
chloroform	67-66-3	0.00E+00	0.00E+00	6.28E-12	3.14E-12	2.48E-10	2.54E-10	2.51E-10	2.48E-10
chloromethane	74-87-3	0.00E+00	0.00E+00	2.88E-13	1.44E-13	3.25E-10	3.25E-10	3.25E-10	3.25E-10
chloromethoxyethane	3188-13-4	0.00E+00	0.00E+00	1.81E-09	9.03E-10	4.24E-06	4.24E-06	4.24E-06	4.24E-06
cis-1,2-dichloroethene	156-59-2	0.00E+00	0.00E+00	4.94E-17	2.47E-17	2.50E-13	2.50E-13	2.50E-13	2.50E-13
dichlorodifluoromethane	75-71-8	0.00E+00	0.00E+00	6.50E-18	3.25E-18	1.08E-13	1.08E-13	1.08E-13	1.08E-13
diethyl ether	60-29-7	0.00E+00	0.00E+00	6.39E-11	3.19E-11	1.74E-08	1.75E-08	1.74E-08	1.74E-08
diethyl phthalate	84-66-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0.00E+00	0.00E+00	5.58E-13	2.79E-13	9.86E-11	9.92E-11	9.89E-11	9.86E-11
ethanol	64-17-5	0.00E+00	0.00E+00	2.00E-13	1.00E-13	2.30E-09	2.30E-09	2.30E-09	2.30E-09
ethene	74-85-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0.00E+00	0.00E+00	1.13E-10	5.63E-11	1.40E-09	1.51E-09	1.45E-09	1.40E-09
HD	505-60-2	0.00E+00	0.00E+00	3.26E-09	1.63E-09	4.19E-09	7.44E-09	5.82E-09	4.19E-09
hexachlorobutadiene	87-68-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0.00E+00	0.00E+00	5.26E-13	2.63E-13	5.04E-12	5.57E-12	5.30E-12	5.04E-12
methane	74-82-8	0.00E+00	0.00E+00	2.28E-14	1.14E-14	1.01E-11	1.01E-11	1.01E-11	1.01E-11
methyl tert-butyl ether	1634-04-4	0.00E+00	0.00E+00	4.21E-12	2.10E-12	1.59E-08	1.59E-08	1.59E-08	1.59E-08
methylene chloride	75-09-2	0.00E+00	0.00E+00	1.18E-11	5.89E-12	1.70E-09	1.71E-09	1.71E-09	1.70E-09
monoethanolamine	141-43-5	0.00E+00	0.00E+00	3.01E-09	1.51E-09	3.72E-07	3.75E-07	3.74E-07	3.72E-07
naphthalene	91-20-3	0.00E+00	0.00E+00	2.01E-11	1.01E-11	1.42E-08	1.42E-08	1.42E-08	1.42E-08
nitrobenzene	98-95-3	0.00E+00	0.00E+00	1.50E-18	7.48E-19	1.98E-15	1.98E-15	1.98E-15	1.98E-15
nitroglycerin	55-63-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0.00E+00	0.00E+00	1.51E-11	7.56E-12	1.41E-11	2.92E-11	2.17E-11	1.41E-11
pentane	109-66-0	0.00E+00	0.00E+00	5.21E-13	2.61E-13	1.19E-11	1.24E-11	1.21E-11	1.19E-11
phenanthrene	85-01-8	0.00E+00	0.00E+00	1.54E-15	7.72E-16	4.73E-15	6.28E-15	5.50E-15	4.73E-15
phenol	108-95-2	0.00E+00	0.00E+00	1.92E-15	9.62E-16	5.04E-13	5.05E-13	5.05E-13	5.04E-13
propene	115-07-1	0.00E+00	0.00E+00	7.72E-14	3.86E-14	2.89E-11	2.90E-11	2.89E-11	2.89E-11
styrene	100-42-5	0.00E+00	0.00E+00	1.79E-16	8.93E-17	3.02E-13	3.02E-13	3.02E-13	3.02E-13
tert-butyl alcohol	75-65-0	0.00E+00	0.00E+00	3.19E-11	1.59E-11	2.48E-07	2.48E-07	2.48E-07	2.48E-07
tetracene	92-24-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0.00E+00	0.00E+00	5.48E-10	2.74E-10	5.16E-10	1.06E-09	7.90E-10	5.16E-10
tetryl	479-45-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0.00E+00	0.00E+00	5.23E-12	2.61E-12	9.14E-09	9.14E-09	9.14E-09	9.14E-09
thiodiglycol	111-48-8	0.00E+00	0.00E+00	8.26E-08	4.13E-08	1.02E-03	1.02E-03	1.02E-03	1.02E-03
toluene	108-88-3	0.00E+00	0.00E+00	6.65E-11	3.33E-11	1.60E-09	1.66E-09	1.63E-09	1.60E-09
trans-1,2-dichloroethene	156-60-5	0.00E+00	0.00E+00	1.51E-17	7.56E-18	7.16E-16	7.31E-16	7.24E-16	7.16E-16
trichloroethene	79-01-6	0.00E+00	0.00E+00	3.26E-11	1.63E-11	1.46E-09	1.49E-09	1.47E-09	1.46E-09
vinyl chloride	75-01-4	0.00E+00	0.00E+00	8.10E-11	4.05E-11	2.11E-08	2.11E-08	2.11E-08	2.11E-08
xylenes	1330-20-7	0.00E+00	0.00E+00	4.56E-10	2.28E-10	2.09E-08	2.13E-08	2.11E-08	2.09E-08
aluminum	7429-90-5	9.41E-07	2.77E-07	0.00E+00	0.00E+00	1.20E-14	9.41E-07	2.77E-07	1.20E-14
ammonia	7664-41-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	2.57E-04	2.57E-04	2.57E-04
arsenic	7440-38-2	2.16E-08	6.36E-09	0.00E+00	0.00E+00	4.13E-16	2.16E-08	6.36E-09	4.13E-16
cadmium	7440-43-9	1.08E-08	3.18E-09	0.00E+00	0.00E+00	2.61E-13	1.08E-08	3.19E-09	2.61E-13
chlorine	7782-50-5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	2.70E-05	2.70E-05	2.70E-05
copper	7440-50-8	2.28E-07	6.72E-08	0.00E+00	0.00E+00	5.59E-11	2.28E-07	6.72E-08	5.59E-11
hydrogen chloride	7647-01-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	1.38E-05	1.38E-05	1.38E-05
hydrogen cyanide	74-90-8	0.00E+00	0.00E+00	1.46E-09	7.30E-10	7.25E-10	2.18E-09	1.45E-09	7.25E-10
lead	7439-92-1	8.29E-08	2.44E-08	0.00E+00	0.00E+00	3.25E-12	8.29E-08	2.44E-08	3.25E-12
nickel	7440-02-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	4.90E-10	1.44E-10	0.00E+00	0.00E+00	1.84E-15	4.90E-10	1.44E-10	1.84E-15

1. Grain was assumed grown on untilled land (Zs = 2cm). This causes a higher COPC concentration in grain, rather than using the default tilled soil depth of 20cm.

CONCENTRATIONS OF COPCS IN ANIMAL FEED FOR EACH EXPOSURE SCENARIO

NONCARCINOGENIC EFFECTS: All Exposure Scenarios									
		Concentration Due to Individual Uptake Mechanisms					Forage	Silage	Grain[1]
COPC	CAS Number	Due to Direct Deposition - Forage (mg/kg) Pd_{forage}	Due to Direct Deposition - Silage (mg/kg) Pd_{silage}	Due to Air-to-Plant Transfer - Forage (mg/kg) Pv_{forage}	Due to Air-to-Plant Transfer - Silage (mg/kg) Pv_{silage}	Due to Direct Uptake from Soil (mg/kg) Pr	Due to All Processes (mg/kg) P_{forage}	Due to All Processes (mg/kg) P_{silage}	Due to All Processes (mg/kg) P_{grain}
1,1,1,2-tetrachloroethane	630-20-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	0.00E+00	0.00E+00	2.48E-09	1.24E-09	5.84E-08	6.09E-08	5.96E-08	5.84E-08
1,1-dichloroethane	75-34-3	0.00E+00	0.00E+00	4.79E-12	2.39E-12	3.49E-10	3.54E-10	3.52E-10	3.49E-10
1,1-dichloroethene	75-35-4	0.00E+00	0.00E+00	3.93E-18	1.97E-18	1.75E-16	1.79E-16	1.77E-16	1.75E-16
1,2,3-trichlorobenzene	87-61-6	0.00E+00	0.00E+00	3.62E-11	1.81E-11	1.19E-08	1.19E-08	1.19E-08	1.19E-08
1,2,4-trichlorobenzene	120-82-1	0.00E+00	0.00E+00	1.34E-17	6.68E-18	4.04E-17	5.38E-17	4.71E-17	4.04E-17
1,2,4-trimethyl benzene	95-63-6	0.00E+00	0.00E+00	3.67E-11	1.83E-11	7.28E-10	7.64E-10	7.46E-10	7.28E-10
1,2-bis(ethylthio)-ethene	13105-10-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	0.00E+00	0.00E+00	4.15E-18	2.07E-18	6.00E-17	6.42E-17	6.21E-17	6.00E-17
1,2-dichlorobutane	616-21-7	0.00E+00	0.00E+00	3.65E-10	1.83E-10	2.09E-08	2.13E-08	2.11E-08	2.09E-08
1,2-dichloroethane	107-06-2	0.00E+00	0.00E+00	1.12E-08	5.58E-09	1.25E-06	1.26E-06	1.26E-06	1.25E-06
1,2-dichloropropane	78-87-5	0.00E+00	0.00E+00	2.81E-13	1.41E-13	1.29E-11	1.32E-11	1.30E-11	1.29E-11
1,3-dichlorobenzene	541-73-1	0.00E+00	0.00E+00	3.89E-18	1.95E-18	5.49E-17	5.87E-17	5.68E-17	5.49E-17
1,4-dichlorobenzene	106-46-7	0.00E+00	0.00E+00	4.37E-18	2.19E-18	1.28E-17	1.71E-17	1.49E-17	1.28E-17
1,4-dioxane	123-91-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	0.00E+00	0.00E+00	6.79E-07	3.40E-07	8.22E-04	8.22E-04	8.22E-04	8.22E-04
1,4-oxathiane	15980-15-1	0.00E+00	0.00E+00	8.31E-08	4.16E-08	3.00E-04	3.00E-04	3.00E-04	3.00E-04
1-chlorobutane	109-69-3	0.00E+00	0.00E+00	1.46E-14	7.32E-15	8.28E-13	8.42E-13	8.35E-13	8.28E-13
1-hexene	592-41-6	0.00E+00	0.00E+00	1.29E-12	6.45E-13	1.58E-11	1.71E-11	1.65E-11	1.58E-11
2,2-dimethyl-trans-thiirane	3772-13-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	0.00E+00	0.00E+00	1.40E-16	7.01E-17	7.36E-15	7.50E-15	7.43E-15	7.36E-15
2,4-dinitrotoluene	121-14-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	0.00E+00	0.00E+00	4.50E-11	2.25E-11	1.33E-06	1.33E-06	1.33E-06	1.33E-06
2-chlorobutane	78-86-4	0.00E+00	0.00E+00	1.99E-11	9.95E-12	2.05E-09	2.07E-09	2.06E-09	2.05E-09
2-chloroethoxyethane	112-26-5	0.00E+00	0.00E+00	5.19E-07	2.60E-07	8.89E-04	8.90E-04	8.89E-04	8.89E-04
2-ethyl 1,3-butadiene	3404-63-5	0.00E+00	0.00E+00	2.09E-13	1.04E-13	4.88E-12	5.09E-12	4.98E-12	4.88E-12
2-hexanone	591-78-6	0.00E+00	0.00E+00	9.52E-11	4.76E-11	1.59E-07	1.59E-07	1.59E-07	1.59E-07
2-methyl phenol	95-48-7	0.00E+00	0.00E+00	9.30E-16	4.65E-16	8.19E-14	8.28E-14	8.24E-14	8.19E-14
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	0.00E+00	0.00E+00	1.54E-16	7.70E-17	5.90E-15	6.05E-15	5.97E-15	5.90E-15
3-methyl phenol	108-39-4	0.00E+00	0.00E+00	4.57E-10	2.29E-10	7.35E-08	7.40E-08	7.37E-08	7.35E-08
4-methyl phenol	106-44-5	0.00E+00	0.00E+00	4.33E-10	2.16E-10	2.75E-09	3.18E-09	2.97E-09	2.75E-09
4-methyl-2-pentanone	108-10-1	0.00E+00	0.00E+00	2.64E-11	1.32E-11	5.55E-07	5.55E-07	5.55E-07	5.55E-07
acenaphthylene	208-96-8	0.00E+00	0.00E+00	2.24E-16	1.12E-16	5.02E-15	5.24E-15	5.13E-15	5.02E-15
acetaldehyde	75-07-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	0.00E+00	0.00E+00	8.19E-11	4.10E-11	2.07E-06	2.07E-06	2.07E-06	2.07E-06
acetylene	74-86-2	0.00E+00	0.00E+00	7.80E-13	3.90E-13	4.24E-12	5.02E-12	4.63E-12	4.24E-12
acrolein	107-02-8	0.00E+00	0.00E+00	7.82E-13	3.91E-13	3.92E-08	3.92E-08	3.92E-08	3.92E-08
alpha-methylstyrene	98-83-9	0.00E+00	0.00E+00	7.34E-11	3.67E-11	1.95E-09	2.02E-09	1.99E-09	1.95E-09
benzene	71-43-2	0.00E+00	0.00E+00	1.93E-12	9.66E-13	7.21E-11	7.40E-11	7.30E-11	7.21E-11
bis(2-chloroisopropyl) ether	108-60-1	0.00E+00	0.00E+00	1.35E-18	6.77E-19	2.42E-14	2.42E-14	2.42E-14	2.42E-14
carbon disulfide	75-15-0	0.00E+00	0.00E+00	2.62E-12	1.31E-12	8.84E-11	9.10E-11	8.97E-11	8.84E-11
chlorobenzene	108-90-7	0.00E+00	0.00E+00	8.48E-18	4.24E-18	1.21E-16	1.29E-16	1.25E-16	1.21E-16
chloroethane	75-00-3	0.00E+00	0.00E+00	3.73E-12	1.87E-12	3.50E-10	3.54E-10	3.52E-10	3.50E-10
chloroform	67-66-3	0.00E+00	0.00E+00	6.28E-12	3.14E-12	2.48E-10	2.54E-10	2.51E-10	2.48E-10
chloromethane	74-87-3	0.00E+00	0.00E+00	2.88E-13	1.44E-13	3.25E-10	3.25E-10	3.25E-10	3.25E-10
chloromethoxyethane	3188-13-4	0.00E+00	0.00E+00	1.81E-09	9.03E-10	4.24E-06	4.24E-06	4.24E-06	4.24E-06
cis-1,2-dichloroethene	156-59-2	0.00E+00	0.00E+00	4.94E-17	2.47E-17	2.50E-13	2.50E-13	2.50E-13	2.50E-13
dichlorodifluoromethane	75-71-8	0.00E+00	0.00E+00	6.50E-18	3.25E-18	1.08E-13	1.08E-13	1.08E-13	1.08E-13
diethyl ether	60-29-7	0.00E+00	0.00E+00	6.39E-11	3.19E-11	1.74E-08	1.75E-08	1.74E-08	1.74E-08
diethyl phthalate	84-66-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	0.00E+00	0.00E+00	5.58E-13	2.79E-13	9.86E-11	9.92E-11	9.89E-11	9.86E-11
ethanol	64-17-5	0.00E+00	0.00E+00	2.00E-13	1.00E-13	2.30E-09	2.30E-09	2.30E-09	2.30E-09
ethene	74-85-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	0.00E+00	0.00E+00	1.13E-10	5.63E-11	1.40E-09	1.51E-09	1.45E-09	1.40E-09
HD	505-60-2	0.00E+00	0.00E+00	3.26E-09	1.63E-09	4.19E-09	7.44E-09	5.82E-09	4.19E-09
hexachlorobutadiene	87-68-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	0.00E+00	0.00E+00	5.26E-13	2.63E-13	5.04E-12	5.57E-12	5.30E-12	5.04E-12
methane	74-82-8	0.00E+00	0.00E+00	2.28E-14	1.14E-14	1.01E-11	1.01E-11	1.01E-11	1.01E-11
methyl tert-butyl ether	1634-04-4	0.00E+00	0.00E+00	4.21E-12	2.10E-12	1.59E-08	1.59E-08	1.59E-08	1.59E-08
methylene chloride	75-09-2	0.00E+00	0.00E+00	1.18E-11	5.89E-12	1.70E-09	1.71E-09	1.71E-09	1.70E-09
monoethanolamine	141-43-5	0.00E+00	0.00E+00	3.01E-09	1.51E-09	3.72E-07	3.76E-07	3.74E-07	3.72E-07
naphthalene	91-20-3	0.00E+00	0.00E+00	2.01E-11	1.01E-11	1.44E-08	1.45E-08	1.44E-08	1.44E-08
nitrobenzene	98-95-3	0.00E+00	0.00E+00	1.50E-18	7.48E-19	1.98E-15	1.98E-15	1.98E-15	1.98E-15
nitroglycerin	55-63-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	0.00E+00	0.00E+00	1.51E-11	7.56E-12	1.41E-11	2.92E-11	2.17E-11	1.41E-11
pentane	109-66-0	0.00E+00	0.00E+00	5.21E-13	2.61E-13	1.19E-11	1.24E-11	1.21E-11	1.19E-11
phenanthrene	85-01-8	0.00E+00	0.00E+00	1.54E-15	7.72E-16	5.61E-15	7.16E-15	6.38E-15	5.61E-15
phenol	108-95-2	0.00E+00	0.00E+00	1.92E-15	9.62E-16	5.07E-13	5.09E-13	5.08E-13	5.07E-13
propene	115-07-1	0.00E+00	0.00E+00	7.72E-14	3.86E-14	2.89E-11	2.90E-11	2.89E-11	2.89E-11
styrene	100-42-5	0.00E+00	0.00E+00	1.79E-16	8.93E-17	3.03E-13	3.03E-13	3.03E-13	3.03E-13
tert-butyl alcohol	75-65-0	0.00E+00	0.00E+00	3.19E-11	1.59E-11	2.48E-07	2.48E-07	2.48E-07	2.48E-07
tetracene	92-24-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	0.00E+00	0.00E+00	5.48E-10	2.74E-10	5.16E-10	1.06E-09	7.90E-10	5.16E-10
tetryl	479-45-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	0.00E+00	0.00E+00	5.23E-12	2.61E-12	9.14E-09	9.14E-09	9.14E-09	9.14E-09
thiodiglycol	111-48-8	0.00E+00	0.00E+00	8.26E-08	4.13E-08	1.06E-03	1.06E-03	1.06E-03	1.06E-03
toluene	108-88-3	0.00E+00	0.00E+00	6.65E-11	3.33E-11	1.60E-09	1.66E-09	1.63E-09	1.60E-09
trans-1,2-dichloroethene	156-60-5	0.00E+00	0.00E+00	1.51E-17	7.56E-18	7.16E-16	7.31E-16	7.24E-16	7.16E-16
trichloroethene	79-01-6	0.00E+00	0.00E+00	3.26E-11	1.63E-11	1.46E-09	1.49E-09	1.47E-09	1.46E-09
vinyl chloride	75-01-4	0.00E+00	0.00E+00	8.10E-11	4.05E-11	2.11E-08	2.11E-08	2.11E-08	2.11E-08
xylenes	1330-20-7	0.00E+00	0.00E+00	4.56E-10	2.28E-10	2.09E-08	2.13E-08	2.11E-08	2.09E-08
aluminum	7429-90-5	9.41E-07	2.77E-07	0.00E+00	0.00E+00	1.20E-14	9.41E-07	2.77E-07	1.20E-14
ammonia	7664-41-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.57E-04	2.57E-04	2.57E-04	2.57E-04
arsenic	7440-38-2	2.16E-08	6.36E-09	0.00E+00	0.00E+00	4.13E-16	2.16E-08	6.36E-09	4.13E-16
cadmium	7440-43-9	1.08E-08	3.18E-09	0.00E+00	0.00E+00	2.61E-13	1.08E-08	3.19E-09	2.61E-13
chlorine	7782-50-5	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.70E-05	2.70E-05	2.70E-05	2.70E-05
copper	7440-50-8	2.28E-07	6.72E-08	0.00E+00	0.00E+00	5.59E-11	2.28E-07	6.72E-08	5.59E-11
hydrogen chloride	7647-01-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.38E-05	1.38E-05	1.38E-05	1.38E-05
hydrogen cyanide	74-90-8	0.00E+00	0.00E+00	1.46E-09	7.30E-10	7.25E-10	2.18E-09	1.45E-09	7.25E-10
lead	7439-92-1	8.29E-08	2.44E-08	0.00E+00	0.00E+00	3.26E-12	8.29E-08	2.44E-08	3.26E-12
nickel	7440-02-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	4.90E-10	1.44E-10	0.00E+00	0.00E+00	1.84E-15	4.90E-10	1.44E-10	1.84E-15

1. Grain was assumed grown on untilled land (Zs = 2cm). This causes a higher COPC concentration in grain, rather than using the default tilled soil depth of 20cm.

CONCENTRATIONS OF COPCS IN ANIMAL PRODUCTS FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Adult Resident and Adult Subsistence Fisher Exposure Scenarios						
COPC	CAS Number	Beef Concentration (mg/kg) A_{beef}	Pork Concentration (mg/kg) A_{pork}	Poultry Concentration (mg/kg) $A_{poultry}$	Egg Concentration (mg/kg) A_{egg}	Milk Concentration (mg/kg) A_{milk}
1,1,1,2-tetrachloroethane	630-20-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	7.43E-10	3.13E-10	7.99E-12	4.56E-12	2.62E-10
1,1-dichloroethane	75-34-3	1.56E-12	7.22E-13	1.86E-14	1.07E-14	5.60E-13
1,1-dichloroethene	75-35-4	1.32E-15	5.92E-16	1.52E-17	8.71E-18	4.68E-19
1,2,3-trichlorobenzene	87-61-6	7.84E-10	4.38E-10	1.27E-11	7.26E-12	2.55E-10
1,2,4-trichlorobenzene	120-82-1	6.02E-18	1.70E-18	4.07E-20	2.32E-20	1.94E-18
1,2,4-trimethyl benzene	95-63-6	3.96E-11	1.78E-11	4.80E-13	2.75E-13	1.33E-11
1,2-bis(ethylthio)-ethene	13105-10-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	2.74E-18	1.13E-18	2.96E-20	1.69E-20	9.29E-19
1,2-dichlorobutane	616-21-7	3.75E-10	1.75E-10	4.60E-12	2.63E-12	1.32E-10
1,2-dichloroethane	107-06-2	3.27E-09	1.54E-09	3.97E-11	2.27E-11	1.18E-09
1,2-dichloropropane	78-87-5	8.27E-14	3.72E-14	9.58E-16	5.46E-16	2.95E-14
1,3-dichlorobenzene	541-73-1	3.12E-18	1.32E-18	3.51E-20	2.00E-20	1.05E-18
1,4-dichlorobenzene	106-46-7	1.28E-18	3.28E-19	7.26E-21	4.15E-21	2.00E-18
1,4-dioxane	123-91-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	1.66E-06	8.02E-07	2.09E-08	1.19E-08	5.99E-07
1,4-oxathiane	15980-15-1	1.07E-07	5.17E-08	1.34E-09	7.67E-10	3.88E-08
1-chlorobutane	109-69-3	1.31E-14	6.07E-15	1.59E-16	9.10E-17	4.61E-15
1-hexene	592-41-6	7.63E-13	3.06E-13	7.89E-15	4.51E-15	2.58E-13
2,2-dimethyl-trans-thiirane	3772-13-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	9.49E-17	4.44E-17	1.17E-18	6.70E-19	3.33E-17
2,4-dinitrotoluene	121-14-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	2.76E-10	1.34E-10	3.48E-12	1.99E-12	9.99E-11
2-chlorobutane	78-86-4	2.04E-11	9.70E-12	2.53E-13	1.45E-13	7.29E-12
2-chloroethoxyethane	112-26-5	1.49E-06	7.19E-07	1.87E-08	1.07E-08	5.38E-07
2-ethyl 1,3-butadiene	3404-63-5	1.45E-13	6.29E-14	1.65E-15	9.41E-16	5.01E-14
2-hexanone	591-78-6	3.21E-10	1.55E-10	4.04E-12	2.31E-12	1.16E-10
2-methyl phenol	95-48-7	4.62E-13	2.16E-13	5.60E-15	3.20E-15	1.65E-16
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	3.61E-16	1.81E-16	5.08E-18	2.90E-18	1.20E-16
3-methyl phenol	108-39-4	4.12E-10	1.96E-10	5.11E-12	2.93E-12	1.48E-10
4-methyl phenol	106-44-5	2.43E-11	7.54E-12	1.74E-13	9.88E-14	8.33E-12
4-methyl-2-pentanone	108-10-1	7.94E-10	3.85E-10	1.00E-11	5.73E-12	2.88E-10
acenaphthylene	208-96-8	3.53E-16	1.69E-16	4.74E-18	2.71E-18	1.16E-16
acetaldehyde	75-07-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	1.17E-10	5.67E-11	1.48E-12	8.40E-13	4.23E-11
acetylene	74-86-2	2.05E-15	5.96E-16	1.33E-17	7.61E-18	6.98E-16
acrolein	107-02-8	3.95E-12	1.91E-12	4.97E-14	2.84E-14	1.42E-12
alpha-methylstyrene	98-83-9	8.73E-11	4.02E-11	1.08E-12	6.18E-13	2.97E-11
benzene	71-43-2	5.52E-13	2.44E-13	6.26E-15	3.57E-15	1.96E-13
bis(2-chloroisopropyl) ether	108-60-1	3.35E-16	1.67E-16	4.42E-18	2.52E-18	1.19E-16
carbon disulfide	75-15-0	7.97E-13	3.50E-13	8.97E-15	5.12E-15	2.82E-13
chlorobenzene	108-90-7	2.89E-15	1.14E-16	2.88E-17	1.65E-17	9.99E-16
chloroethane	75-00-3	7.65E-13	3.59E-13	9.22E-15	5.27E-15	2.76E-13
chloroform	67-66-3	1.62E-12	7.18E-13	1.84E-14	1.05E-14	5.75E-13
chloromethane	74-87-3	2.62E-13	1.27E-13	3.29E-15	1.89E-15	9.48E-14
chloromethoxyethane	3188-13-4	2.78E-09	1.34E-09	3.48E-11	1.99E-11	1.00E-09
cis-1,2-dichloroethene	156-59-2	1.23E-15	6.02E-16	1.57E-17	9.00E-18	4.44E-16
dichlorodifluoromethane	75-71-8	7.97E-16	3.92E-13	1.03E-14	5.87E-15	2.87E-16
diethyl ether	60-29-7	1.36E-11	6.52E-12	1.69E-13	9.66E-14	4.94E-12
diethyl phthalate	84-66-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	4.31E-13	2.06E-13	5.36E-15	3.06E-15	1.55E-13
ethanol	64-17-5	1.08E-13	5.21E-14	1.35E-15	7.71E-16	3.91E-14
ethene	74-85-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	4.91E-11	1.93E-11	4.90E-13	2.80E-13	1.69E-11
HD	505-60-2	2.17E-10	3.66E-11	5.81E-13	3.32E-13	7.10E-11
hexachlorobutadiene	87-68-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	4.15E-13	1.68E-13	4.51E-15	2.57E-15	1.36E-13
methane	74-82-8	1.18E-14	2.05E-16	5.32E-18	3.04E-18	1.54E-16
methyl tert-butyl ether	1634-04-4	1.36E-11	6.57E-12	1.70E-13	9.78E-14	4.92E-12
methylene chloride	75-09-2	3.05E-12	1.44E-12	3.72E-14	2.13E-14	1.10E-12
monoethanolamine	141-43-5	6.93E-12	3.26E-12	8.40E-14	4.80E-14	2.50E-12
naphthalene	91-20-3	4.59E-10	2.37E-10	6.45E-12	3.70E-12	1.60E-10
nitrobenzene	98-95-3	9.04E-18	4.40E-18	1.15E-19	6.57E-20	1.55E-17
nitroglycerin	55-63-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	8.43E-12	2.11E-12	5.24E-14	3.00E-14	2.56E-12
pentane	109-66-0	5.00E-13	2.23E-13	5.92E-15	3.38E-15	1.70E-13
phenanthrene	85-01-8	1.06E-15	3.71E-16	9.96E-18	5.69E-18	3.30E-16
phenol	108-95-2	1.29E-15	6.17E-16	1.60E-17	9.16E-18	4.65E-16
propene	115-07-1	1.17E-13	5.63E-14	1.47E-15	8.38E-16	4.20E-14
styrene	100-42-5	6.88E-13	3.48E-13	9.36E-14	5.35E-14	2.42E-12
tert-butyl alcohol	75-65-0	5.90E-11	2.85E-11	7.38E-13	4.22E-13	2.13E-11
tetracene	92-24-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	1.08E-10	1.70E-11	2.60E-13	1.49E-13	3.50E-11
tetryl	479-45-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	5.99E-12	2.89E-12	7.49E-14	4.30E-14	2.17E-12
thiodiglycol	111-48-8	2.09E-08	1.02E-08	2.63E-10	1.50E-10	7.61E-09
toluene	108-88-3	3.02E-11	1.29E-11	3.33E-13	1.90E-13	1.06E-11
trans-1,2-dichloroethene	156-60-5	5.35E-18	2.42E-18	6.22E-20	3.56E-20	1.90E-18
trichloroethene	79-01-6	1.70E-11	7.69E-12	1.99E-13	1.14E-13	6.04E-12
vinyl chloride	75-01-4	4.45E-11	2.15E-11	5.55E-13	3.17E-13	1.61E-11
xylenes	1330-20-7	6.27E-10	2.95E-10	7.89E-12	4.51E-12	2.18E-10
aluminum	7429-90-5	1.35E-08	0.00E+00	0.00E+00	0.00E+00	2.71E-09
ammonia	7664-41-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
arsenic	7440-38-2	4.12E-10	0.00E+00	0.00E+00	0.00E+00	1.87E-11
cadmium	7440-43-9	1.24E-11	8.52E-13	1.74E-15	4.10E-17	1.01E-12
chlorine	7782-50-5	1.92E-08	9.32E-09	2.43E-10	1.39E-10	6.96E-09
copper	7440-50-8	2.18E-08	0.00E+00	0.00E+00	0.00E+00	4.93E-09
hydrogen chloride	7647-01-0	1.42E-09	6.87E-10	1.79E-11	1.02E-11	5.14E-10
hydrogen cyanide	74-90-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
lead	7439-92-1	2.37E-10	0.00E+00	0.00E+00	0.00E+00	2.99E-10
nickel	7440-02-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	1.40E-11	0.00E+00	0.00E+00	0.00E+00	1.41E-10

CONCENTRATIONS OF COPCS IN ANIMAL PRODUCTS FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Adult Subsistence Farmer Exposure Scenario						
COPC	CAS Number	Beef Concentration (mg/kg) A_{beef}	Pork Concentration (mg/kg) A_{pork}	Poultry Concentration (mg/kg) $A_{poultry}$	Egg Concentration (mg/kg) A_{egg}	Milk Concentration (mg/kg) A_{milk}
1,1,1,2-tetrachloroethane	630-20-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	5.90E-10	2.38E-10	5.99E-12	3.42E-12	2.07E-10
1,1-dichloroethane	75-34-3	1.20E-12	5.43E-13	1.40E-14	7.99E-15	4.28E-13
1,1-dichloroethene	75-35-4	1.02E-15	4.47E-16	1.14E-17	6.53E-18	3.62E-19
1,2,3-trichlorobenzene	87-61-6	5.91E-10	3.29E-10	9.54E-12	5.44E-12	1.92E-10
1,2,4-trichlorobenzene	120-82-1	5.39E-18	1.35E-18	3.05E-20	1.74E-20	1.73E-18
1,2,4-trimethyl benzene	95-63-6	3.16E-11	1.35E-11	3.60E-13	2.06E-13	1.05E-11
1,2-bis(ethylthio)-ethene	13105-10-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	2.22E-18	8.64E-19	2.22E-20	1.27E-20	7.50E-19
1,2-dichlorobutane	616-21-7	2.89E-10	1.32E-10	3.45E-12	1.97E-12	1.02E-10
1,2-dichloroethane	107-06-2	2.48E-09	1.16E-09	2.98E-11	1.70E-11	8.95E-10
1,2-dichloropropane	78-87-5	6.41E-14	2.81E-14	7.18E-16	4.09E-16	2.28E-14
1,3-dichlorobenzene	541-73-1	2.53E-18	1.01E-18	2.63E-20	1.50E-20	8.45E-19
1,4-dichlorobenzene	106-46-7	1.16E-18	2.62E-19	5.44E-21	3.11E-21	1.80E-18
1,4-dioxane	123-91-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	1.25E-06	6.02E-07	1.57E-08	8.95E-09	4.50E-07
1,4-oxathiane	15980-15-1	8.02E-08	3.88E-08	1.00E-09	5.76E-10	2.91E-08
1-chlorobutane	109-69-3	1.01E-14	4.58E-15	1.19E-16	6.82E-17	3.54E-15
1-hexene	592-41-6	6.25E-13	2.34E-13	5.92E-15	3.38E-15	2.10E-13
2,2-dimethyl-trans-thiirane	3772-13-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	7.32E-17	3.35E-17	8.79E-19	5.02E-19	2.56E-17
2,4-dinitrotoluene	121-14-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	2.07E-10	1.00E-10	2.61E-12	1.49E-12	7.49E-11
2-chlorobutane	78-86-4	1.55E-11	7.29E-12	1.90E-13	1.09E-13	5.54E-12
2-chloroethoxyethane	112-26-5	1.12E-06	5.39E-07	1.40E-08	8.01E-09	4.04E-07
2-ethyl 1,3-butadiene	3404-63-5	1.15E-13	4.77E-14	1.24E-15	7.06E-16	3.95E-14
2-hexanone	591-78-6	2.41E-10	1.16E-10	3.03E-12	1.73E-12	8.69E-11
2-methyl phenol	95-48-7	3.53E-13	1.62E-13	4.20E-15	2.40E-15	1.26E-16
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	2.80E-16	1.37E-16	3.81E-18	2.18E-18	9.26E-17
3-methyl phenol	108-39-4	3.12E-10	1.47E-10	3.84E-12	2.19E-12	1.12E-10
4-methyl phenol	106-44-5	2.10E-11	5.88E-12	1.30E-13	7.41E-14	7.11E-12
4-methyl-2-pentanone	108-10-1	5.96E-10	2.89E-10	7.52E-12	4.29E-12	2.16E-10
acenaphthylene	208-96-8	2.79E-16	1.28E-16	3.55E-18	2.03E-18	9.14E-17
acetaldehyde	75-07-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	8.77E-11	4.25E-11	1.11E-12	6.30E-13	3.17E-11
acetylene	74-86-2	1.78E-15	4.68E-16	9.99E-18	5.71E-18	6.03E-16
acrolein	107-02-8	2.96E-12	1.44E-12	3.73E-14	2.13E-14	1.07E-12
alpha-methylstyrene	98-83-9	6.87E-11	3.04E-11	8.11E-13	4.63E-13	2.33E-11
benzene	71-43-2	4.30E-13	1.84E-13	4.69E-15	2.68E-15	1.52E-13
bis(2-chloroisopropyl) ether	108-60-1	2.51E-16	1.25E-16	3.31E-18	1.89E-18	8.95E-17
carbon disulfide	75-15-0	6.24E-13	2.65E-13	6.73E-15	3.84E-15	2.20E-13
chlorobenzene	108-90-7	2.35E-15	8.71E-17	2.16E-17	1.23E-17	8.08E-16
chloroethane	75-00-3	5.84E-13	2.70E-13	6.91E-15	3.96E-15	2.10E-13
chloroform	67-66-3	1.26E-12	5.42E-13	1.38E-14	7.88E-15	4.46E-13
chloromethane	74-87-3	1.97E-13	9.52E-14	2.47E-15	1.41E-15	7.12E-14
chloromethoxyethane	3188-13-4	2.08E-09	1.01E-09	2.61E-11	1.50E-11	7.54E-10
cis-1,2-dichloroethene	156-59-2	9.25E-16	4.52E-16	1.18E-17	6.75E-18	3.33E-16
dichlorodifluoromethane	75-71-8	5.98E-16	2.94E-13	7.71E-15	4.41E-15	2.15E-16
diethyl ether	60-29-7	1.03E-11	4.90E-12	1.26E-13	7.24E-14	3.72E-12
diethyl phthalate	84-66-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	3.26E-13	1.54E-13	4.02E-15	2.30E-15	1.17E-13
ethanol	64-17-5	8.08E-14	3.90E-14	1.01E-15	5.78E-16	2.93E-14
ethene	74-85-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	4.03E-11	1.48E-11	3.68E-13	2.10E-13	1.38E-11
HD	505-60-2	2.06E-10	3.11E-11	4.36E-13	2.49E-13	6.70E-11
hexachlorobutadiene	87-68-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	3.43E-13	1.29E-13	3.38E-15	1.93E-15	1.12E-13
methane	74-82-8	8.88E-15	1.54E-16	3.99E-18	2.28E-18	1.16E-16
methyl tert-butyl ether	1634-04-4	1.02E-11	4.93E-12	1.28E-13	7.33E-14	3.69E-12
methylene chloride	75-09-2	2.31E-12	1.08E-12	2.79E-14	1.60E-14	8.30E-13
monoethanolamine	141-43-5	5.27E-12	2.45E-12	6.30E-14	3.60E-14	1.90E-12
naphthalene	91-20-3	3.45E-10	1.78E-10	4.84E-12	2.77E-12	1.20E-10
nitrobenzene	98-95-3	6.79E-18	3.30E-18	8.63E-20	4.93E-20	1.16E-17
nitroglycerin	55-63-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	7.85E-12	1.71E-12	3.93E-14	2.25E-14	2.41E-12
pentane	109-66-0	3.96E-13	1.69E-13	4.44E-15	2.54E-15	1.34E-13
phenanthrene	85-01-8	9.27E-16	2.89E-16	7.47E-18	4.27E-18	2.90E-16
phenol	108-95-2	9.72E-16	4.63E-16	1.20E-17	6.87E-18	3.51E-16
propene	115-07-1	8.80E-14	4.23E-14	1.10E-15	6.28E-16	3.16E-14
styrene	100-42-5	5.16E-13	2.61E-13	7.02E-14	4.01E-14	1.82E-12
tert-butyl alcohol	75-65-0	4.43E-11	2.14E-11	5.53E-13	3.16E-13	1.60E-11
tetracene	92-24-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	1.03E-10	1.46E-11	1.95E-13	1.12E-13	3.34E-11
tetryl	479-45-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	4.49E-12	2.17E-12	5.62E-14	3.22E-14	1.63E-12
thiodiglycol	111-48-8	1.57E-08	7.63E-09	1.97E-10	1.13E-10	5.71E-09
toluene	108-88-3	2.39E-11	9.82E-12	2.50E-13	1.43E-13	8.33E-12
trans-1,2-dichloroethene	156-60-5	4.14E-18	1.82E-18	4.67E-20	2.67E-20	1.47E-18
trichloroethene	79-01-6	1.32E-11	5.80E-12	1.50E-13	8.53E-14	4.67E-12
vinyl chloride	75-01-4	3.36E-11	1.61E-11	4.16E-13	2.38E-13	1.22E-11
xylenes	1330-20-7	4.85E-10	2.23E-10	5.92E-12	3.38E-12	1.68E-10
aluminum	7429-90-5	1.35E-08	0.00E+00	0.00E+00	0.00E+00	2.71E-09
ammonia	7664-41-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
arsenic	7440-38-2	4.12E-10	0.00E+00	0.00E+00	0.00E+00	1.87E-11
cadmium	7440-43-9	1.24E-11	8.52E-13	1.31E-15	3.07E-17	1.01E-12
chlorine	7782-50-5	1.44E-08	6.99E-09	1.82E-10	1.04E-10	5.22E-09
copper	7440-50-8	2.18E-08	0.00E+00	0.00E+00	0.00E+00	4.93E-09
hydrogen chloride	7647-01-0	1.06E-09	5.15E-10	1.34E-11	7.63E-12	3.86E-10
hydrogen cyanide	74-90-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
lead	7439-92-1	2.37E-10	0.00E+00	0.00E+00	0.00E+00	2.99E-10
nickel	7440-02-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	1.40E-11	0.00E+00	0.00E+00	0.00E+00	1.41E-10

CONCENTRATIONS OF COPCS IN ANIMAL PRODUCTS FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Child Exposure Scenarios						
COPC	CAS Number	Beef Concentration (mg/kg) A_{beef}	Pork Concentration (mg/kg) A_{pork}	Poultry Concentration (mg/kg) $A_{poultry}$	Egg Concentration (mg/kg) A_{egg}	Milk Concentration (mg/kg) A_{milk}
1,1,1,2-tetrachloroethane	630-20-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	3.81E-09	1.83E-09	4.79E-11	2.73E-11	1.36E-09
1,1-dichloroethane	75-34-3	8.88E-12	4.29E-12	1.12E-13	6.40E-14	3.20E-12
1,1-dichloroethene	75-35-4	7.24E-15	3.50E-15	9.14E-17	5.22E-17	2.60E-18
1,2,3-trichlorobenzene	87-61-6	4.39E-09	2.47E-09	7.18E-11	4.10E-11	1.43E-09
1,2,4-trichlorobenzene	120-82-1	1.86E-17	8.74E-18	2.44E-19	1.39E-19	6.07E-18
1,2,4-trimethyl benzene	95-63-6	2.01E-10	1.04E-10	2.88E-12	1.65E-12	6.80E-11
1,2-bis(ethylthio)-ethene	13105-10-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	1.31E-17	6.52E-18	1.78E-19	1.02E-19	4.51E-18
1,2-dichlorobutane	616-21-7	2.10E-09	1.04E-09	2.76E-11	1.58E-11	7.46E-10
1,2-dichloroethane	107-06-2	1.89E-08	9.16E-09	2.38E-10	1.36E-10	6.84E-09
1,2-dichloropropane	78-87-5	4.55E-13	2.20E-13	5.75E-15	3.28E-15	1.64E-13
1,3-dichlorobenzene	541-73-1	1.49E-17	7.60E-18	2.10E-19	1.20E-19	5.07E-18
1,4-dichlorobenzene	106-46-7	3.77E-18	1.64E-18	4.35E-20	2.49E-20	6.05E-18
1,4-dioxane	123-91-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	9.92E-06	4.80E-06	1.25E-07	7.14E-08	3.57E-06
1,4-oxathiane	15980-15-1	6.41E-07	3.10E-07	8.02E-09	4.60E-09	2.32E-07
1-chlorobutane	109-69-3	7.32E-14	3.60E-14	9.54E-16	5.46E-16	2.60E-14
1-hexene	592-41-6	3.53E-12	1.74E-12	4.74E-14	2.71E-14	1.21E-12
2,2-dimethyl-trans-thiirane	3772-13-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	5.09E-16	2.53E-16	6.76E-18	3.86E-18	1.80E-16
2,4-dinitrotoluene	121-14-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	1.65E-09	8.03E-10	2.09E-11	1.19E-11	5.99E-10
2-chlorobutane	78-86-4	1.18E-10	5.78E-11	1.52E-12	8.69E-13	4.22E-11
2-chloroethoxyethane	112-26-5	8.77E-06	4.25E-06	1.11E-07	6.32E-08	3.18E-06
2-ethyl 1,3-butadiene	3404-63-5	7.47E-13	3.67E-13	9.89E-15	5.65E-15	2.61E-13
2-hexanone	591-78-6	1.92E-09	9.31E-10	2.42E-11	1.39E-11	6.93E-10
2-methyl phenol	95-48-7	2.63E-12	1.28E-12	3.34E-14	1.91E-14	9.48E-16
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	1.97E-15	1.06E-15	3.03E-17	1.73E-17	6.55E-16
3-methyl phenol	108-39-4	2.37E-09	1.15E-09	3.02E-11	1.73E-11	8.53E-10
4-methyl phenol	106-44-5	9.21E-11	4.07E-11	1.04E-12	5.92E-13	3.28E-11
4-methyl-2-pentanone	108-10-1	4.76E-09	2.31E-09	6.01E-11	3.43E-11	1.73E-09
acenaphthylene	208-96-8	1.80E-15	9.70E-16	2.78E-17	1.59E-17	5.92E-16
acetaldehyde	75-07-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	7.01E-10	3.40E-10	8.86E-12	5.04E-12	2.54E-10
acetylene	74-86-2	7.32E-15	3.16E-15	8.00E-17	4.57E-17	2.61E-15
acrolein	107-02-8	2.37E-11	1.15E-11	2.98E-13	1.71E-13	8.53E-12
alpha-methylstyrene	98-83-9	4.59E-10	2.36E-10	6.49E-12	3.71E-12	1.58E-10
benzene	71-43-2	2.98E-12	1.44E-12	3.75E-14	2.14E-14	1.07E-12
bis(2-chloroisopropyl) ether	108-60-1	1.98E-15	9.84E-16	2.61E-17	1.49E-17	7.05E-16
carbon disulfide	75-15-0	4.27E-12	2.06E-12	5.38E-14	3.07E-14	1.53E-12
chlorobenzene	108-90-7	1.36E-14	6.53E-16	1.73E-16	9.87E-17	4.81E-15
chloroethane	75-00-3	4.39E-12	2.14E-12	5.53E-14	3.16E-14	1.59E-12
chloroform	67-66-3	8.79E-12	4.23E-12	1.11E-13	6.30E-14	3.16E-12
chloromethane	74-87-3	1.57E-12	7.61E-13	1.97E-14	1.13E-14	5.67E-13
chloromethoxyethane	3188-13-4	1.66E-08	8.04E-09	2.09E-10	1.20E-10	6.02E-09
cis-1,2-dichloroethene	156-59-2	7.39E-15	3.61E-15	9.45E-17	5.40E-17	2.66E-15
dichlorodifluoromethane	75-71-8	4.78E-15	2.35E-12	6.17E-14	3.52E-14	1.72E-15
diethyl ether	60-29-7	8.06E-11	3.90E-11	1.01E-12	5.79E-13	2.92E-11
diethyl phthalate	84-66-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	2.53E-12	1.23E-12	3.21E-14	1.84E-14	9.12E-13
ethanol	64-17-5	6.46E-13	3.12E-13	8.09E-15	4.63E-15	2.34E-13
ethene	74-85-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	2.26E-10	1.10E-10	2.94E-12	1.68E-12	7.93E-11
HD	505-60-2	4.40E-10	1.47E-10	3.49E-12	1.99E-12	1.51E-10
hexachlorobutadiene	87-68-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	1.85E-12	9.56E-13	2.71E-14	1.54E-14	6.12E-13
methane	74-82-8	7.01E-14	1.23E-15	3.19E-17	1.82E-17	9.17E-16
methyl tert-butyl ether	1634-04-4	8.14E-11	3.94E-11	1.02E-12	5.87E-13	2.95E-11
methylene chloride	75-09-2	1.78E-11	8.59E-12	2.23E-13	1.28E-13	6.41E-12
monoethanolamine	141-43-5	4.02E-11	1.94E-11	5.04E-13	2.88E-13	1.45E-11
naphthalene	91-20-3	2.69E-09	1.39E-09	3.79E-11	2.18E-11	9.34E-10
nitrobenzene	98-95-3	5.39E-17	2.63E-17	6.89E-19	3.93E-19	9.24E-17
nitroglycerin	55-63-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	1.99E-11	1.01E-11	3.14E-13	1.80E-13	5.58E-12
pentane	109-66-0	2.57E-12	1.30E-12	3.55E-14	2.03E-14	8.84E-13
phenanthrene	85-01-8	3.23E-15	1.69E-15	5.03E-17	2.88E-17	9.90E-16
phenol	108-95-2	7.55E-15	3.66E-15	9.54E-17	5.45E-17	2.73E-15
propene	115-07-1	6.93E-13	3.37E-13	8.81E-15	5.03E-15	2.49E-13
styrene	100-42-5	4.11E-12	2.08E-12	5.60E-13	3.20E-13	1.45E-11
tert-butyl alcohol	75-65-0	3.54E-10	1.71E-10	4.43E-12	2.53E-12	1.28E-10
tetracene	92-24-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	1.99E-10	6.42E-11	1.56E-12	8.93E-13	6.63E-11
tetryl	479-45-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	3.58E-11	1.73E-11	4.50E-13	2.58E-13	1.30E-11
thiodiglycol	111-48-8	1.22E-07	5.93E-08	1.53E-09	8.74E-10	4.43E-08
toluene	108-88-3	1.56E-10	7.55E-11	2.00E-12	1.14E-12	5.52E-11
trans-1,2-dichloroethene	156-60-5	2.95E-17	1.43E-17	3.73E-19	2.13E-19	1.06E-17
trichloroethene	79-01-6	9.35E-11	4.54E-11	1.20E-12	6.82E-13	3.35E-11
vinyl chloride	75-01-4	2.63E-10	1.28E-10	3.33E-12	1.90E-12	9.55E-11
xylenes	1330-20-7	3.46E-09	1.75E-09	4.73E-11	2.71E-11	1.21E-09
aluminum	7429-90-5	1.35E-08	0.00E+00	0.00E+00	0.00E+00	2.71E-09
ammonia	7664-41-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
arsenic	7440-38-2	4.12E-10	0.00E+00	0.00E+00	0.00E+00	1.87E-11
cadmium	7440-43-9	1.24E-11	8.52E-13	1.04E-14	2.46E-16	1.01E-12
chlorine	7782-50-5	1.15E-07	5.59E-08	1.46E-09	8.33E-10	4.18E-08
copper	7440-50-8	2.18E-08	0.00E+00	0.00E+00	0.00E+00	4.93E-09
hydrogen chloride	7647-01-0	8.51E-09	4.12E-09	1.07E-10	6.11E-11	3.08E-09
hydrogen cyanide	74-90-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
lead	7439-92-1	2.37E-10	0.00E+00	0.00E+00	0.00E+00	2.99E-10
nickel	7440-02-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	1.40E-11	0.00E+00	0.00E+00	0.00E+00	1.41E-10

CONCENTRATIONS OF COPCS IN ANIMAL PRODUCTS FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Infant Exposure Scenarios						
COPC	CAS Number	Beef Concentration (mg/kg) A_{beef}	Pork Concentration (mg/kg) A_{pork}	Poultry Concentration (mg/kg) $A_{poultry}$	Egg Concentration (mg/kg) A_{egg}	Milk Concentration (mg/kg) A_{milk}
1,1,1,2-tetrachloroethane	630-20-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	3.81E-09	1.83E-09	4.79E-11	2.73E-11	1.36E-09
1,1-dichloroethane	75-34-3	8.88E-12	4.29E-12	1.12E-13	6.40E-14	3.20E-12
1,1-dichloroethene	75-35-4	7.24E-15	3.50E-15	9.14E-17	5.22E-17	2.60E-18
1,2,3-trichlorobenzene	87-61-6	4.39E-09	2.47E-09	7.18E-11	4.10E-11	1.43E-09
1,2,4-trichlorobenzene	120-82-1	1.86E-17	8.74E-18	2.44E-19	1.39E-19	6.07E-18
1,2,4-trimethyl benzene	95-63-6	2.01E-10	1.04E-10	2.88E-12	1.65E-12	6.80E-11
1,2-bis(ethylthio)-ethene	13105-10-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	1.31E-17	6.52E-18	1.78E-19	1.02E-19	4.51E-18
1,2-dichlorobutane	616-21-7	2.10E-09	1.04E-09	2.76E-11	1.58E-11	7.46E-10
1,2-dichloroethane	107-06-2	1.89E-08	9.16E-09	2.38E-10	1.36E-10	6.84E-09
1,2-dichloropropane	78-87-5	4.55E-13	2.20E-13	5.75E-15	3.28E-15	1.64E-13
1,3-dichlorobenzene	541-73-1	1.49E-17	7.60E-18	2.10E-19	1.20E-19	5.07E-18
1,4-dichlorobenzene	106-46-7	3.77E-18	1.64E-18	4.35E-20	2.49E-20	6.05E-18
1,4-dioxane	123-91-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	9.92E-06	4.80E-06	1.25E-07	7.14E-08	3.57E-06
1,4-oxathiane	15980-15-1	6.41E-07	3.10E-07	8.02E-09	4.60E-09	2.32E-07
1-chlorobutane	109-69-3	7.32E-14	3.60E-14	9.54E-16	5.46E-16	2.60E-14
1-hexene	592-41-6	3.53E-12	1.74E-12	4.74E-14	2.71E-14	1.21E-12
2,2-dimethyl-trans-thiirane	3772-13-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	5.09E-16	2.53E-16	6.76E-18	3.86E-18	1.80E-16
2,4-dinitrotoluene	121-14-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	1.65E-09	8.03E-10	2.09E-11	1.19E-11	5.99E-10
2-chlorobutane	78-86-4	1.18E-10	5.78E-11	1.52E-12	8.69E-13	4.22E-11
2-chloroethoxyethane	112-26-5	8.77E-06	4.25E-06	1.11E-07	6.32E-08	3.18E-06
2-ethyl 1,3-butadiene	3404-63-5	7.47E-13	3.67E-13	9.89E-15	5.65E-15	2.61E-13
2-hexanone	591-78-6	1.92E-09	9.31E-10	2.42E-11	1.39E-11	6.93E-10
2-methyl phenol	95-48-7	2.63E-12	1.28E-12	3.34E-14	1.91E-14	9.48E-16
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	1.97E-15	1.06E-15	3.03E-17	1.73E-17	6.55E-16
3-methyl phenol	108-39-4	2.37E-09	1.15E-09	3.02E-11	1.73E-11	8.53E-10
4-methyl phenol	106-44-5	9.21E-11	4.07E-11	1.04E-12	5.92E-13	3.28E-11
4-methyl-2-pentanone	108-10-1	4.76E-09	2.31E-09	6.01E-11	3.43E-11	1.73E-09
acenaphthylene	208-96-8	1.80E-15	9.70E-16	2.78E-17	1.59E-17	5.92E-16
acetaldehyde	75-07-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	7.01E-10	3.40E-10	8.86E-12	5.04E-12	2.54E-10
acetylene	74-86-2	7.32E-15	3.16E-15	8.00E-17	4.57E-17	2.61E-15
acrolein	107-02-8	2.37E-11	1.15E-11	2.98E-13	1.71E-13	8.53E-12
alpha-methylstyrene	98-83-9	4.59E-10	2.36E-10	6.49E-12	3.71E-12	1.58E-10
benzene	71-43-2	2.98E-12	1.44E-12	3.75E-14	2.14E-14	1.07E-12
bis(2-chloroisopropyl) ether	108-60-1	1.98E-15	9.84E-16	2.61E-17	1.49E-17	7.05E-16
carbon disulfide	75-15-0	4.27E-12	2.06E-12	5.38E-14	3.07E-14	1.53E-12
chlorobenzene	108-90-7	1.36E-14	6.53E-16	1.73E-16	9.87E-17	4.81E-15
chloroethane	75-00-3	4.39E-12	2.14E-12	5.53E-14	3.16E-14	1.59E-12
chloroform	67-66-3	8.79E-12	4.23E-12	1.11E-13	6.30E-14	3.16E-12
chloromethane	74-87-3	1.57E-12	7.61E-13	1.97E-14	1.13E-14	5.67E-13
chloromethoxyethane	3188-13-4	1.66E-08	8.04E-09	2.09E-10	1.20E-10	6.02E-09
cis-1,2-dichloroethene	156-59-2	7.39E-15	3.61E-15	9.45E-17	5.40E-17	2.66E-15
dichlorodifluoromethane	75-71-8	4.78E-15	2.35E-12	6.17E-14	3.52E-14	1.72E-15
diethyl ether	60-29-7	8.06E-11	3.90E-11	1.01E-12	5.79E-13	2.92E-11
diethyl phthalate	84-66-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	2.53E-12	1.23E-12	3.21E-14	1.84E-14	9.12E-13
ethanol	64-17-5	6.46E-13	3.12E-13	8.09E-15	4.63E-15	2.34E-13
ethene	74-85-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	2.26E-10	1.10E-10	2.94E-12	1.68E-12	7.93E-11
HD	505-60-2	4.40E-10	1.47E-10	3.49E-12	1.99E-12	1.51E-10
hexachlorobutadiene	87-68-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	1.85E-12	9.56E-13	2.71E-14	1.54E-14	6.12E-13
methane	74-82-8	7.01E-14	1.23E-15	3.19E-17	1.82E-17	9.17E-16
methyl tert-butyl ether	1634-04-4	8.14E-11	3.94E-11	1.02E-12	5.87E-13	2.95E-11
methylene chloride	75-09-2	1.78E-11	8.59E-12	2.23E-13	1.28E-13	6.41E-12
monoethanolamine	141-43-5	4.02E-11	1.94E-11	5.04E-13	2.88E-13	1.45E-11
naphthalene	91-20-3	2.69E-09	1.39E-09	3.79E-11	2.18E-11	9.34E-10
nitrobenzene	98-95-3	5.39E-17	2.63E-17	6.89E-19	3.93E-19	9.24E-17
nitroglycerin	55-63-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	1.99E-11	1.01E-11	3.14E-13	1.80E-13	5.58E-12
pentane	109-66-0	2.57E-12	1.30E-12	3.55E-14	2.03E-14	8.84E-13
phenanthrene	85-01-8	3.23E-15	1.69E-15	5.03E-17	2.88E-17	9.90E-16
phenol	108-95-2	7.55E-15	3.66E-15	9.54E-17	5.45E-17	2.73E-15
propene	115-07-1	6.93E-13	3.37E-13	8.81E-15	5.03E-15	2.49E-13
styrene	100-42-5	4.11E-12	2.08E-12	5.60E-13	3.20E-13	1.45E-11
tert-butyl alcohol	75-65-0	3.54E-10	1.71E-10	4.43E-12	2.53E-12	1.28E-10
tetracene	92-24-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	1.99E-10	6.42E-11	1.56E-12	8.93E-13	6.63E-11
tetryl	479-45-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	3.58E-11	1.73E-11	4.50E-13	2.58E-13	1.30E-11
thiodiglycol	111-48-8	1.22E-07	5.93E-08	1.53E-09	8.74E-10	4.43E-08
toluene	108-88-3	1.56E-10	7.55E-11	2.00E-12	1.14E-12	5.52E-11
trans-1,2-dichloroethene	156-60-5	2.95E-17	1.43E-17	3.73E-19	2.13E-19	1.06E-17
trichloroethene	79-01-6	9.35E-11	4.54E-11	1.20E-12	6.82E-13	3.35E-11
vinyl chloride	75-01-4	2.63E-10	1.28E-10	3.33E-12	1.90E-12	9.55E-11
xylenes	1330-20-7	3.46E-09	1.75E-09	4.73E-11	2.71E-11	1.21E-09
aluminum	7429-90-5	1.35E-08	0.00E+00	0.00E+00	0.00E+00	2.71E-09
ammonia	7664-41-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
arsenic	7440-38-2	4.12E-10	0.00E+00	0.00E+00	0.00E+00	1.87E-11
cadmium	7440-43-9	1.24E-11	8.52E-13	1.04E-14	2.46E-16	1.01E-12
chlorine	7782-50-5	1.15E-07	5.59E-08	1.46E-09	8.33E-10	4.18E-08
copper	7440-50-8	2.18E-08	0.00E+00	0.00E+00	0.00E+00	4.93E-09
hydrogen chloride	7647-01-0	8.51E-09	4.12E-09	1.07E-10	6.11E-11	3.08E-09
hydrogen cyanide	74-90-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
lead	7439-92-1	2.37E-10	0.00E+00	0.00E+00	0.00E+00	2.99E-10
nickel	7440-02-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	1.40E-11	0.00E+00	0.00E+00	0.00E+00	1.41E-10

CONCENTRATIONS OF COPCS IN ANIMAL PRODUCTS FOR EACH EXPOSURE SCENARIO

NONCARCINOGENIC EFFECTS: All Exposure Scenarios						
COPC	CAS Number	Beef Concentration (mg/kg) A_{beef}	Pork Concentration (mg/kg) A_{pork}	Poultry Concentration (mg/kg) $A_{poultry}$	Egg Concentration (mg/kg) A_{egg}	Milk Concentration (mg/kg) A_{milk}
1,1,1,2-tetrachloroethane	630-20-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	3.81E-09	1.83E-09	4.79E-11	2.73E-11	1.36E-09
1,1-dichloroethane	75-34-3	8.88E-12	4.29E-12	1.12E-13	6.40E-14	3.20E-12
1,1-dichloroethene	75-35-4	7.24E-15	3.50E-15	9.14E-17	5.22E-17	2.60E-18
1,2,3-trichlorobenzene	87-61-6	4.66E-09	2.62E-09	7.63E-11	4.35E-11	1.51E-09
1,2,4-trichlorobenzene	120-82-1	1.86E-17	8.74E-18	2.44E-19	1.39E-19	6.07E-18
1,2,4-trimethyl benzene	95-63-6	2.01E-10	1.04E-10	2.88E-12	1.65E-12	6.80E-11
1,2-bis(ethylthio)-ethene	13105-10-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	1.31E-17	6.52E-18	1.78E-19	1.02E-19	4.51E-18
1,2-dichlorobutane	616-21-7	2.10E-09	1.04E-09	2.76E-11	1.58E-11	7.46E-10
1,2-dichloroethane	107-06-2	1.89E-08	9.16E-09	2.38E-10	1.36E-10	6.84E-09
1,2-dichloropropane	78-87-5	4.55E-13	2.20E-13	5.75E-15	3.28E-15	1.64E-13
1,3-dichlorobenzene	541-73-1	1.49E-17	7.60E-18	2.10E-19	1.20E-19	5.07E-18
1,4-dichlorobenzene	106-46-7	3.77E-18	1.64E-18	4.35E-20	2.49E-20	6.05E-18
1,4-dioxane	123-91-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	9.94E-06	4.81E-06	1.25E-07	7.16E-08	3.58E-06
1,4-oxathiane	15980-15-1	6.41E-07	3.10E-07	8.03E-09	4.60E-09	2.32E-07
1-chlorobutane	109-69-3	7.32E-14	3.60E-14	9.54E-16	5.46E-16	2.60E-14
1-hexene	592-41-6	3.53E-12	1.74E-12	4.74E-14	2.71E-14	1.21E-12
2,2-dimethyl-trans-thiirane	3772-13-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	5.29E-16	2.63E-16	7.03E-18	4.02E-18	1.87E-16
2,4-dinitrotoluene	121-14-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	1.65E-09	8.03E-10	2.09E-11	1.19E-11	5.99E-10
2-chlorobutane	78-86-4	1.18E-10	5.78E-11	1.52E-12	8.69E-13	4.22E-11
2-chloroethoxyethane	112-26-5	8.89E-06	4.31E-06	1.12E-07	6.41E-08	3.22E-06
2-ethyl 1,3-butadiene	3404-63-5	7.47E-13	3.67E-13	9.89E-15	5.65E-15	2.61E-13
2-hexanone	591-78-6	1.92E-09	9.31E-10	2.42E-11	1.39E-11	6.93E-10
2-methyl phenol	95-48-7	2.65E-12	1.29E-12	3.36E-14	1.92E-14	9.52E-16
2-methyl-1,3-dithiacyclopentane	5616-51-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	1.98E-15	1.07E-15	3.05E-17	1.74E-17	6.59E-16
3-methyl phenol	108-39-4	2.41E-09	1.17E-09	3.07E-11	1.76E-11	8.66E-10
4-methyl phenol	106-44-5	9.22E-11	4.07E-11	1.04E-12	5.93E-13	3.28E-11
4-methyl-2-pentanone	108-10-1	4.77E-09	2.31E-09	6.02E-11	3.44E-11	1.73E-09
acenaphthylene	208-96-8	1.84E-15	9.93E-16	2.84E-17	1.62E-17	6.06E-16
acetaldehyde	75-07-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	7.01E-10	3.40E-10	8.86E-12	5.04E-12	2.54E-10
acetylene	74-86-2	7.32E-15	3.16E-15	8.00E-17	4.57E-17	2.61E-15
acrolein	107-02-8	2.37E-11	1.15E-11	2.98E-13	1.71E-13	8.53E-12
alpha-methylstyrene	98-83-9	4.59E-10	2.36E-10	6.49E-12	3.71E-12	1.58E-10
benzene	71-43-2	2.98E-12	1.44E-12	3.75E-14	2.14E-14	1.07E-12
bis(2-chloroisopropyl) ether	108-60-1	2.01E-15	9.99E-16	2.65E-17	1.51E-17	7.16E-16
carbon disulfide	75-15-0	4.27E-12	2.06E-12	5.38E-14	3.07E-14	1.53E-12
chlorobenzene	108-90-7	1.36E-14	6.53E-16	1.73E-16	9.87E-17	4.81E-15
chloroethane	75-00-3	4.39E-12	2.14E-12	5.53E-14	3.16E-14	1.59E-12
chloroform	67-66-3	8.79E-12	4.23E-12	1.11E-13	6.30E-14	3.16E-12
chloromethane	74-87-3	1.57E-12	7.61E-13	1.97E-14	1.13E-14	5.67E-13
chloromethoxyethane	3188-13-4	1.66E-08	8.04E-09	2.09E-10	1.20E-10	6.02E-09
cis-1,2-dichloroethene	156-59-2	7.39E-15	3.61E-15	9.45E-17	5.40E-17	2.66E-15
dichlorodifluoromethane	75-71-8	4.78E-15	2.35E-12	6.17E-14	3.52E-14	1.72E-15
diethyl ether	60-29-7	8.06E-11	3.90E-11	1.01E-12	5.79E-13	2.92E-11
diethyl phthalate	84-66-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	2.53E-12	1.23E-12	3.21E-14	1.84E-14	9.12E-13
ethanol	64-17-5	6.46E-13	3.12E-13	8.09E-15	4.63E-15	2.34E-13
ethene	74-85-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	2.26E-10	1.10E-10	2.94E-12	1.68E-12	7.93E-11
HD	505-60-2	4.40E-10	1.47E-10	3.49E-12	1.99E-12	1.51E-10
hexachlorobutadiene	87-68-3	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	1.85E-12	9.56E-13	2.71E-14	1.54E-14	6.12E-13
methane	74-82-8	7.01E-14	1.23E-15	3.19E-17	1.82E-17	9.17E-16
methyl tert-butyl ether	1634-04-4	8.14E-11	3.94E-11	1.02E-12	5.87E-13	2.95E-11
methylene chloride	75-09-2	1.78E-11	8.59E-12	2.23E-13	1.28E-13	6.41E-12
monoethanolamine	141-43-5	4.02E-11	1.94E-11	5.04E-13	2.88E-13	1.46E-11
naphthalene	91-20-3	2.74E-09	1.42E-09	3.87E-11	2.22E-11	9.53E-10
nitrobenzene	98-95-3	5.41E-17	2.64E-17	6.90E-19	3.94E-19	9.26E-17
nitroglycerin	55-63-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	1.99E-11	1.01E-11	3.14E-13	1.80E-13	5.58E-12
pentane	109-66-0	2.57E-12	1.30E-12	3.55E-14	2.03E-14	8.84E-13
phenanthrene	85-01-8	3.74E-15	2.00E-15	5.97E-17	3.41E-17	1.14E-15
phenol	108-95-2	7.61E-15	3.69E-15	9.62E-17	5.49E-17	2.75E-15
propene	115-07-1	6.93E-13	3.37E-13	8.81E-15	5.03E-15	2.49E-13
styrene	100-42-5	4.12E-12	2.09E-12	5.61E-13	3.21E-13	1.45E-11
tert-butyl alcohol	75-65-0	3.54E-10	1.71E-10	4.43E-12	2.53E-12	1.28E-10
tetracene	92-24-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	1.99E-10	6.42E-11	1.56E-12	8.93E-13	6.63E-11
tetryl	479-45-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	3.58E-11	1.73E-11	4.50E-13	2.58E-13	1.30E-11
thiodiglycol	111-48-8	1.25E-07	6.10E-08	1.58E-09	9.00E-10	4.56E-08
toluene	108-88-3	1.56E-10	7.55E-11	2.00E-12	1.14E-12	5.52E-11
trans-1,2-dichloroethene	156-60-5	2.95E-17	1.43E-17	3.73E-19	2.13E-19	1.06E-17
trichloroethene	79-01-6	9.35E-11	4.54E-11	1.20E-12	6.82E-13	3.35E-11
vinyl chloride	75-01-4	2.63E-10	1.28E-10	3.33E-12	1.90E-12	9.55E-11
xylenes	1330-20-7	3.46E-09	1.75E-09	4.73E-11	2.71E-11	1.21E-09
aluminum	7429-90-5	1.35E-08	0.00E+00	0.00E+00	0.00E+00	2.71E-09
ammonia	7664-41-7	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
arsenic	7440-38-2	4.12E-10	0.00E+00	0.00E+00	0.00E+00	1.87E-11
cadmium	7440-43-9	1.24E-11	8.52E-13	1.04E-14	2.46E-16	1.01E-12
chlorine	7782-50-5	1.15E-07	5.59E-08	1.46E-09	8.33E-10	4.18E-08
copper	7440-50-8	2.18E-08	0.00E+00	0.00E+00	0.00E+00	4.93E-09
hydrogen chloride	7647-01-0	8.51E-09	4.12E-09	1.07E-10	6.11E-11	3.08E-09
hydrogen cyanide	74-90-8	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
lead	7439-92-1	2.37E-10	0.00E+00	0.00E+00	0.00E+00	2.99E-10
nickel	7440-02-0	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	1.40E-11	0.00E+00	0.00E+00	0.00E+00	1.41E-10

CONCENTRATIONS OF COPCS IN SURFACE WATER AND FISH FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS:
Adult Resident and Adult Subsistence Fisher Exposure Scenarios

		Diffusive Mass Transfer Coefficient			Erosion Loading Supporting Calculation		Contaminant Load To The Waterbody					
COPC	CAS Number	Liquid Phase Transfer Coefficient (K_L) (m/yr)	Gas Phase Transfer Coefficient (K_G) (m/yr)	Overall Transfer Rate (K_v) (m/yr)	Unit Soil Loss (X_a) (kg/m^2-yr)	Watershed Sediment Delivery Ratio SD (dimensionless)	Due to Direct Deposition (L_{Dep}) (g/yr)	Due to Impervious Runoff (L_{RI}) (g/yr)	Due to Pervious Runoff (L_R) (g/yr)	Due to Erosion (L_E) (g/yr)	Due to Diffusion (L_{Dif}) (g/yr)	Due to All Processes (L_T) (g/yr)
1,1,1,2-tetrachloroethane	630-20-6	1.53E+02	4.55E+05	1.74E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	1.65E+02	4.85E+05	1.87E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	1.53E+02	4.55E+05	1.70E+02	3.86E-01	1.76E-01	1.30E-01	6.35E+00	4.32E-02	1.32E-04	1.54E-02	6.54E+00
1,1-dichloroethane	75-34-3	1.85E+02	4.69E+05	2.11E+02	3.86E-01	1.76E-01	1.90E-02	9.31E-01	1.95E-04	1.88E-07	1.60E-04	9.50E-01
1,1-dichloroethene	75-35-4	1.84E+02	5.33E+05	2.09E+02	3.86E-01	1.76E-01	3.98E-08	1.95E-06	1.11E-10	2.14E-13	6.11E-11	1.99E-06
1,2,3-trichlorobenzene	87-61-6	1.80E+02	2.62E+04	1.80E+02	3.86E-01	1.76E-01	1.22E-04	5.95E-03	1.31E-03	4.07E-04	4.14E-06	7.80E-03
1,2,4-trichlorobenzene	120-82-1	1.58E+02	2.55E+05	1.77E+02	3.86E-01	1.76E-01	6.90E-11	3.38E-09	2.18E-11	1.26E-12	1.66E-12	3.47E-09
1,2,4-trimethyl benzene	95-63-6	1.68E+02	4.85E+05	1.90E+02	3.86E-01	1.76E-01	3.28E-03	1.60E-01	9.82E-05	1.41E-05	1.00E-05	1.64E-01
1,2-bis(ethylthio)-ethene	13105-10-7	1.53E+02	4.42E+05	1.64E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	1.54E+02	4.42E+05	1.59E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	1.53E+02	4.46E+05	1.74E+02	3.86E-01	1.76E-01	1.33E-10	6.51E-09	1.35E-11	8.22E-13	2.31E-12	6.66E-09
1,2-dichlorobutane	616-21-7	1.64E+02	4.72E+05	1.86E+02	3.86E-01	1.76E-01	5.22E-01	2.56E+01	4.15E-03	1.18E-04	1.07E-03	2.61E+01
1,2-dichloroethane	107-06-2	1.78E+02	5.87E+05	2.01E+02	3.86E-01	1.76E-01	1.91E+01	9.37E+02	5.39E-01	3.03E-04	7.52E-01	9.57E+02
1,2-dichloropropane	78-87-5	1.64E+02	4.85E+05	1.86E+02	3.86E-01	1.76E-01	3.23E-04	1.58E-02	8.14E-06	1.18E-08	5.07E-06	1.61E-02
1,3-dichlorobenzene	541-73-1	1.53E+02	4.47E+05	1.73E+02	3.86E-01	1.76E-01	1.19E-10	5.81E-09	7.51E-12	1.02E-12	1.26E-12	5.94E-09
1,4-dichlorobenzene	106-46-7	1.53E+02	4.46E+05	1.74E+02	3.86E-01	1.76E-01	1.32E-10	6.48E-09	9.92E-12	1.91E-13	1.82E-12	6.62E-09
1,4-dioxane	123-91-1	1.82E+02	9.97E+05	1.07E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	1.68E+02	4.85E+05	7.00E+01	3.86E-01	1.76E-01	6.24E+00	3.06E+02	1.40E+02	5.15E-01	2.10E+01	4.73E+02
1,4-oxathiane	15980-15-1	1.79E+02	5.17E+05	7.91E+01	3.86E-01	1.76E-01	6.74E+00	3.30E+02	3.66E+01	1.76E-02	2.34E+01	3.97E+02
1-chlorobutane	109-69-3	1.89E+02	5.45E+05	2.15E+02	3.86E-01	1.76E-01	2.10E-05	1.03E-03	1.70E-07	4.03E-09	6.34E-08	1.05E-03
1-hexene	592-41-6	1.97E+02	5.68E+05	2.24E+02	3.86E-01	1.76E-01	7.22E-03	3.53E-01	2.37E-06	2.20E-07	9.27E-07	3.60E-01
2,2-dimethyl-trans-thiirane	3772-13-2	1.93E+02	5.57E+05	2.16E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	1.73E+02	5.01E+05	1.96E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	1.80E+02	2.62E+04	5.92E-03	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	1.80E+02	2.62E+04	3.82E+00	3.86E-01	1.76E-01	2.46E-11	1.20E-09	8.11E-09	3.77E-11	5.59E-12	9.38E-09
2,4-dinitrotoluene	121-14-2	1.42E+02	9.20E+05	3.87E+00	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	1.80E+02	2.62E+04	9.05E-01	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	1.77E+02	4.96E+05	1.74E+02	3.86E-01	1.76E-01	7.20E-02	3.52E+00	1.43E-01	6.65E-04	5.07E-02	3.79E+00
2-chlorobutane	78-86-4	1.89E+02	5.45E+05	2.15E+02	3.86E-01	1.76E-01	8.75E-02	4.28E+00	4.61E-04	6.22E-06	1.84E-04	4.37E+00
2-chloroethoxyethane	112-26-5	1.38E+02	3.97E+05	1.32E+01	3.86E-01	1.76E-01	9.72E-01	4.76E+01	1.53E+02	4.42E-01	3.89E+00	2.06E+02
2-ethyl 1,3-butadiene	3404-63-5	1.98E+02	5.76E+05	2.25E+02	3.86E-01	1.76E-01	1.60E-03	7.82E-02	8.50E-07	4.40E-08	3.32E-07	7.98E-02
2-hexanone	591-78-6	1.82E+02	5.25E+05	1.90E+02	3.86E-01	1.76E-01	2.48E-02	1.21E+00	2.70E-02	9.96E-05	7.52E-03	1.27E+00
2-methyl phenol	95-48-7	1.58E+02	4.68E+05	2.28E+01	3.86E-01	1.76E-01	6.28E-10	3.07E-08	1.12E-08	1.49E-10	2.27E-09	4.50E-08
2-methyl-1,3-dithiacyclopentane	5616-51-3	1.68E+02	4.85E+05	7.00E+01	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	1.60E+02	4.59E+05	7.87E+01	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	1.79E+02	5.17E+05	7.91E+01	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	1.56E+02	4.50E+05	1.74E+02	3.86E-01	1.76E-01	4.14E-10	2.03E-08	1.58E-10	1.58E-10	2.65E-11	2.10E-08
3-methyl phenol	108-39-4	1.80E+02	4.68E+05	1.72E+01	3.86E-01	1.76E-01	1.79E-04	8.75E-03	9.98E-03	1.36E-04	8.42E-04	1.99E-02
4-methyl phenol	106-44-5	1.80E+02	4.68E+05	1.58E+01	3.86E-01	1.76E-01	1.79E-04	8.75E-03	2.79E-05	5.38E-06	8.48E-04	9.81E-03
4-methyl-2-pentanone	108-10-1	1.52E+02	4.72E+05	1.64E+02	3.86E-01	1.76E-01	1.08E-02	5.27E-01	1.16E-02	4.08E-04	2.97E-03	5.52E-01
acenaphthylene	208-96-8	1.48E+02	3.29E+05	1.54E+02	3.86E-01	1.76E-01	1.09E-10	5.33E-09	1.25E-10	1.50E-10	2.80E-11	5.75E-09
acetaldehyde	75-07-0	2.26E+02	6.61E+05	2.32E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	1.96E+02	6.61E+05	1.88E+02	3.86E-01	1.76E-01	3.85E-01	1.88E+01	4.27E-01	5.96E-04	3.71E-01	2.00E+01
acetylene	74-86-2	3.32E+02	9.59E+05	3.77E+02	3.86E-01	1.76E-01	2.79E-03	1.36E-01	1.23E-06	4.64E-10	9.23E-06	1.39E-01
acrolein	107-02-8	2.05E+02	5.91E+05	2.18E+02	3.86E-01	1.76E-01	1.02E-02	5.00E-01	6.28E-03	1.51E-05	1.83E-03	5.19E-01
alpha-methylstyrene	98-83-9	1.69E+02	4.89E+05	1.92E+02	3.86E-01	1.76E-01	3.93E-03	1.92E-01	2.81E-04	3.07E-05	2.92E-05	1.97E-01
benzene	71-43-2	1.82E+02	5.25E+05	2.07E+02	3.86E-01	1.76E-01	3.47E-03	1.70E-01	4.57E-05	8.80E-08	3.02E-05	1.73E-01
bis(2-chloroisopropyl) ether	108-60-1	1.80E+02	2.62E+04	1.73E+02	3.86E-01	1.76E-01	1.42E-10	6.95E-09	2.03E-09	1.18E-10	5.07E-12	9.25E-09
carbon disulfide	75-15-0	1.80E+02	5.87E+05	2.04E+02	3.86E-01	1.76E-01	3.81E-02	1.86E+00	7.25E-05	1.06E-07	2.56E-05	1.90E+00
chlorobenzene	108-90-7	1.64E+02	4.63E+05	1.85E+02	3.86E-01	1.76E-01	2.19E-09	1.07E-07	8.60E-11	6.07E-13	2.10E-11	1.10E-07
chloroethane	75-00-3	1.97E+02	1.12E+06	2.24E+02	3.86E-01	1.76E-01	1.13E-01	5.52E+00	1.34E-04	6.88E-08	2.83E-04	5.63E+00
chloroform	67-66-3	1.80E+02	5.87E+05	2.04E+02	3.86E-01	1.76E-01	1.22E-02	5.95E-01	1.64E-04	2.11E-07	1.25E-04	6.08E-01
chloromethane	74-87-3	1.35E+02	6.68E+05	1.53E+02	3.86E-01	1.76E-01	1.97E-02	9.62E-01	7.63E-05	7.34E-08	6.14E-05	9.82E-01
chloromethoxyethane	3188-13-4	1.87E+02	5.41E+05	2.08E+02	3.86E-01	1.76E-01	5.52E+00	2.70E+02	6.33E-01	6.10E-04	6.74E-01	2.77E+02
cis-1,2-dichloroethene	156-59-2	1.80E+02	2.62E+04	1.96E+02	3.86E-01	1.76E-01	1.29E-07	6.30E-06	1.51E-07	1.71E-10	1.17E-09	6.58E-06
dichlorodifluoromethane	75-71-8	1.80E+02	2.62E+04	2.04E+02	3.86E-01	1.76E-01	7.51E-07	3.67E-05	2.49E-08	2.47E-10	8.51E-11	3.75E-05
diethyl ether	60-29-7	1.62E+02	4.85E+05	1.79E+02	3.86E-01	1.76E-01	1.06E-02	5.17E-01	2.62E-03	3.36E-06	1.69E-03	5.32E-01
diethyl phthalate	84-66-2	1.80E+02	2.62E+04	5.46E-01	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	1.53E+02	3.29E+05	2.38E+01	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	1.44E+02	4.16E+05	3.95E+01	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	3.12E+02	8.98E+05	3.55E+02	3.86E-01	1.76E-01	2.37E-01	1.16E+01	2.38E-05	1.22E-07	2.97E-05	1.18E+01
ethanol	64-17-5	2.14E+02	6.57E+05	9.39E+01	3.86E-01	1.76E-01	1.44E-04	7.04E-03	1.08E-04	8.61E-09	5.15E-04	7.81E-03
ethene	74-85-1	3.21E+02	9.29E+05	3.65E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	1.17E+02	3.38E+05	1.28E+00	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	1.52E+02	4.72E+05	1.73E+02	3.86E-01	1.76E-01	4.72E-02	2.31E+00	9.86E-04	1.16E-05	1.02E-04	2.36E+00
HD	505-60-2	1.48E+02	4.29E+05	1.34E+02	3.86E-01	1.76E-01	3.10E-02	1.52E+00	4.11E-04	1.54E-05	1.25E-02	1.56E+00
hexachlorobutadiene	87-68-3	1.30E+02	3.89E+05	1.47E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	1.39E+02	4.83E+04	1.55E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	1.95E+02	5.61E+05	2.22E+02	3.86E-01	1.76E-01	7.08E-03	3.46E-01	5.89E-07	1.39E-07	8.60E-08	3.54E-01
methane	74-82-8	4.12E+02	1.19E+06	4.69E+02	3.86E-01	1.76E-01	6.95E-02	3.40E+00	1.92E-06	2.69E-09	9.43E-06	3.47E+00
methyl tert-butyl ether	1634-04-4	1.93E+02	5.57E+05	2.16E+02	3.86E-01	1.76E-01	2.62E-02	1.28E+00	2.56E-03	3.28E-06	9.51E-04	1.31E+00
methylene chloride	75-09-2	1.99E+02	5.76E+05	2.26E+02	3.86E-01	1.76E-01	6.38E-02	3.12E+00	6.00E-04	2.31E-07	1.45E-03	3.19E+00
monoethanolamine	141-43-5	2.27E+02	6.56E+05	9.87E-01	3.86E-01	1.76E-01	9.54E-03	4.67E-01	1.26E-01	1.05E-06	5.52E-02	6.58E-01
naphthalene	91-20-3	1.48E+02	4.02E+05	1.65E+02	3.86E-01	1.76E-01	1.63E-04	7.98E-03	3.82E-05	1.84E-04	1.33E-05	8.38E-03
nitrobenzene	98-95-3	1.62E+02	4.76E+05	1.37E+02	3.86E-01	1.76E-01	2.59E-11	1.27E-09	1.73E-10	3.30E-12	2.81E-11	1.50E-09
nitroglycerin	55-63-0	1.26E+02	3.65E+05	4.31E-02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	1.72E+02	4.97E+05	1.95E+02	3.86E-01	1.76E-01	1.57E-02	7.70E-01	8.86E-07	2.15E-06	9.44E-08	7.86E-01
pentane	109-66-0	2.11E+02	6.10E+05	2.40E+02	3.86E-01	1.76E-01	1.70E-02	8.34E-01	1.78E-06	1.65E-07	3.22E-07	8.51E-01
phenanthrene	85-01-8	1.80E+02	2.62E+04	2.46E+01	3.86E-01	1.76E-01	3.84E-11	1.88E-09	5.96E-12	3.54E-10	7.82E-12	2.28E-09
phenol	108-95-2	1.69E+02	5.01E+05	8.89E+00	3.86E-01	1.76E-01	1.31E-09	6.39E-08	8.10E-09	5.72E-10	5.53E-09	7.94E-08
propene	115-07-1	2.68E+02	7.74E+05	3.05E+02	3.86E-01	1.76E-01	2.10E-02	1.03E+00	6.91E-06	3.33E-08	3.22E-06	1.05E+00
styrene	100-42-5	1.55E+02	4.55E+05	1.75E+02	3.86E-01	1.76E-01	2.07E-08	1.01E-06	1.34E-09	2.59E-09	2.56E-10	1.04E-06
tert-butyl alcohol	75-65-0	2.08E+02	6.03E+05	1.23E+02	3.86E-01	1.76E-01	1.30E-02	6.35E-01	2.53E-02	8.13E-06	1.73E-02	6.91E-01
tetracene	92-24-0	1.26E+02	3.64E+05	7.91E+00	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	1.57E+02	4.59E+05	1.79E+02	3.86E-01	1.76E-01	1.42E-01	6.97E+00	1.05E-03	5.24E-06	3.09E-04	7.12E+00
tetryl	479-45-8	1.14E+02	3.28E+05	4.14E-02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	2.28E+02	6.61E+05	2.53E+02	3.86E-01	1.76E-01	1.38E-02	6.74E-01	1.36E-03	1.31E-06	2.37E-03	6.92E-01
thiodiglycol	111-48-8	1.66E+02	4.80E+05	4.13E-02	3.86E-01	1.76E-01	4.27E-02	2.09E+00	3.31E+01	1.06E-03	2.16E-01	3.55E+01
toluene	108-88-3	1.62E+02	5.21E+05	1.84E+02	3.86E-01	1.76E-01	6.20E-02	3.03E+00	1.15E-03	6.66E-06	1.72E-04	3.10E+00
trans-1,2-dichloroethene	156-60-5	2.02E+02	4.52E+05	2.29E+02	3.86E-01	1.76E-01	5.51E-08	2.70E-06	4.93E-10	7.91E-13	2.56E-10	2.75E-06
trichloroethene	79-01-6	1.69E+02	4.89E+05	1.91E+02	3.86E-01	1.76E-01	6.06E-02	2.97E+00	7.53E-04	3.99E-06	2.32E-04	3.03E+00
vinyl chloride	75-01-4	2.06E+02	5.95E+05	2.34E+02	3.86E-01	1.76E-01	7.10E+00	3.48E+02	7.83E-03	4.65E-06	6.73E-03	3.55E+02
xylenes	1330-20-7	1.77E+02	5.13E+05	2.01E+02	3.86E-01	1.76E-01	1.39E-01	6.81E+00	3.49E-03	2.13E-04	4.17E-04	6.95E+00
aluminum	7429-90-5	3.27E+02	9.44E+05	3.71E+02	3.86E-01	1.76E-01	2.61E-04	1.28E-02	4.23E-07	6.72E-08	0.00E+00	1.31E-02
ammonia	7664-41-7	4.02E+02	1.16E+06	2.99E+02	3.86E-01	1.76E-01	6.85E+01	3.35E+03	2.28E+01	6.22E-03	2.83E+02	3.73E+03
arsenic	7440-38-2	1.74E+02	4.81E+05	1.98E+02	3.86E-01	1.76E-01	6.00E-06	2.94E-04	8.53E-10	3.97E-10	0.00E+00	3.00E-04
cadmium	7440-43-9	1.74E+02	4.82E+05	1.98E+02	3.86E-01	1.76E-01	3.01E-06	1.47E-04	1.06E-08	1.28E-08	0.00E+00	1.50E-04
chlorine	7782-50-5	1.80E+02	2.62E+04	2.01E+02	3.86E-01	1.76E-01	3.93E+00	1.92E+02	3.21E+00	1.29E-02	6.66E-03	1.99E+02
copper	7440-50-8	2.23E+02	6.44E+05	2.53E+02	3.86E-01	1.76E-01	6.34E-05	3.10E-03	1.84E-07	1.27E-06	0.00E+00	3.17E-03
hydrogen chloride	7647-01-0	1.80E+02	2.62E+04	2.00E+02	3.86E-01	1.76E-01	4.58E+00	2.24E+02	1.68E+00	8.66E-04	1.17E-02	2.30E+02
hydrogen cyanide	74-90-8	3.26E+02	9.41E+05	3.49E+02	3.86E-01	1.76E-01	6.65E-04	3.26E-02	1.34E-05	1.23E-09	3.33E-04	3.36E-02
lead	7439-92-1	1.74E+02	4.81E+05	1.98E+02	3.86E-01	1.76E-01	2.30E-05	1.13E-03	1.01E-07	1.46E-06	0.00E+00	1.15E-03
nickel	7440-02-0	1.74E+02	4.81E+05	1.98E+02	3.86E-01	1.76E-01	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	1.74E+02	4.81E+05	1.98E+02	3.86E-01	1.76E-01	1.36E-07	6.67E-06	6.02E-10	8.01E-11	0.00E+00	6.81E-06

CONCENTRATIONS OF COPCS IN SURFACE WATER AND FISH FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Adult Resident and Adult Subsistence Fisher Exposure Scenarios											
		Waterbody Dissipation Rate Constant					Concentration in Water				Concentration in Fish
COPC	CAS Number	Fraction in Water Column (dimensionless) f_{wc}	Fraction in Benthic Sediment (dimensionless) f_{bs}	Water Column Volatilization Rate Constant (yr^{-1}) k_v	Benthic Burial Rate Constant (yr^{-1}) k_b	Overall Total Waterbody Dissipation Rate Constant (yr^{-1}) k_{wt}	Total Waterbody Concentration Including Water Column and Bed Sediment (mg/ℓ) C_{wctot}	Total Concentration in Water Column (mg/ℓ) C_{wctot}	Dissolved Phase Water Concentration (mg/ℓ) C_{dw}	Concentration Sorbed to Bed Sediment (mg/kg) C_{sb}	Fish Concentration (mg/kg) C_{fish}
1,1,1,2-tetrachloroethane	630-20-6	9.30E-01	7.04E-02	3.45E+01	5.53E+00	3.25E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,1,1-trichloroethane	71-55-6	9.65E-01	3.47E-02	3.72E+01	5.53E+00	3.61E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	9.78E-01	2.21E-02	3.38E+01	5.53E+00	3.32E+01	4.32E-07	4.25E-07	4.25E-07		5.99E-06
1,1-dichloroethane	75-34-3	9.84E-01	1.62E-02	4.18E+01	5.53E+00	4.13E+01	5.22E-08	5.17E-08	5.17E-08		2.51E-07
1,1-dichloroethene	75-35-4	9.81E-01	1.88E-02	4.16E+01	5.53E+00	4.10E+01	1.10E-13	1.08E-13	1.08E-13		8.96E-13
1,2,3-trichlorobenzene	87-61-6	6.82E-01	3.18E-01	3.57E+01	5.53E+00	2.61E+01	6.68E-10	4.58E-10	4.57E-10		1.58E-07
1,2,4-trichlorobenzene	120-82-1	7.14E-01	2.86E-01	3.52E+01	5.53E+00	2.67E+01	2.90E-16	2.08E-16	2.08E-16		4.98E-14
1,2,4-trimethyl benzene	95-63-6	8.20E-01	1.80E-01	3.78E+01	5.53E+00	3.20E+01	1.15E-08	9.47E-09	9.46E-09		1.18E-06
1,2-bis(ethylthio)-ethene	13105-10-7	8.60E-01	1.40E-01	3.25E+01	5.53E+00	2.87E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	8.73E-01	1.27E-01	3.16E+01	5.53E+00	2.83E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,2-dichlorobenzene	95-50-1	9.14E-01	8.64E-02	3.45E+01	5.53E+00	3.20E+01	4.59E-16	4.22E-16	4.21E-16		3.37E-14
1,2-dichlorobutane	616-21-7	9.56E-01	4.40E-02	3.70E+01	5.53E+00	3.56E+01	1.63E-06	1.57E-06	1.57E-06		4.03E-05
1,2-dichloroethane	107-06-2	9.87E-01	1.26E-02	4.00E+01	5.53E+00	3.96E+01	5.45E-05	5.41E-05	5.41E-05		1.54E-04
1,2-dichloropropane	78-87-5	9.85E-01	1.47E-02	3.69E+01	5.53E+00	3.65E+01	9.84E-10	9.76E-10	9.76E-10		6.75E-09
1,3-dichlorobenzene	541-73-1	8.28E-01	1.72E-01	3.44E+01	5.53E+00	2.95E+01	4.45E-16	3.71E-16	3.71E-16		4.38E-14
1,4-dichlorobenzene	106-46-7	8.69E-01	1.31E-01	3.45E+01	5.53E+00	3.07E+01	4.76E-16	4.16E-16	4.16E-16		4.11E-14
1,4-dioxane	123-91-1	9.96E-01	3.71E-03	2.13E+01	5.53E+00	2.13E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,4-dithiane	505-29-3	9.91E-01	8.98E-03	1.39E+01	5.53E+00	1.38E+01	6.00E-05	5.99E-05	5.99E-05		1.38E-04
1,4-oxathiane	15980-15-1	9.96E-01	4.36E-03	1.57E+01	5.53E+00	1.57E+01	4.62E-05	4.63E-05	4.63E-05		1.46E-04
1-chlorobutane	109-69-3	9.62E-01	3.75E-02	4.27E+01	5.53E+00	4.13E+01	5.77E-11	5.59E-11	5.59E-11		1.20E-09
1-hexene	592-41-6	8.75E-01	1.25E-01	4.45E+01	5.53E+00	3.97E+01	2.08E-08	1.83E-08	1.83E-08		1.49E-06
2,2-dimethyl-trans-thiirane	3772-13-2	9.86E-01	1.41E-02	4.29E+01	5.53E+00	4.24E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,3-dimethyl-thiophene	632-16-6	9.42E-01	5.80E-02	3.90E+01	5.53E+00	3.71E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,4,6-trinitrotoluene	118-96-7	9.88E-01	1.24E-02	1.18E-03	5.53E+00	6.99E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,4-dichlorophenol	120-83-2	9.63E-01	3.74E-02	7.59E-01	5.53E+00	9.38E-01	3.20E-15	3.10E-15	3.10E-15		4.21E-14
2,4-dinitrotoluene	121-14-2	9.76E-01	2.42E-02	7.68E-01	5.53E+00	8.84E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,6-dinitrotoluene	606-20-2	9.85E-01	1.51E-02	1.80E-01	5.53E+00	2.61E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-butanone	78-93-3	9.96E-01	4.06E-03	3.46E+01	5.53E+00	3.45E+01	2.42E-07	2.42E-07	2.42E-07		7.65E-07
2-chlorobutane	78-86-4	9.77E-01	2.31E-02	4.27E+01	5.53E+00	4.18E+01	2.37E-07	2.33E-07	2.33E-07		2.90E-06
2-chloroethoxyethane	112-26-5	9.92E-01	7.92E-03	2.63E+00	5.53E+00	2.65E+00	5.63E-05	5.62E-05	5.62E-05		1.09E-04
2-ethyl 1,3-butadiene	3404-63-5	9.25E-01	7.51E-02	4.48E+01	5.53E+00	4.19E+01	4.37E-09	4.06E-09	4.06E-09		1.87E-07
2-hexanone	591-78-6	9.91E-01	8.98E-03	3.77E+01	5.53E+00	3.74E+01	7.60E-08	7.58E-08	7.58E-08		1.74E-07
2-methyl phenol	95-48-7	9.77E-01	2.29E-02	4.53E+00	5.53E+00	4.55E+00	1.04E-14	1.02E-14	1.02E-14		6.45E-14
2-methyl-1,3-dithiacyclopentane	5616-51-3	9.70E-01	3.05E-02	1.39E+01	5.53E+00	1.37E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methyl-1,3-dithiane	6007-26-7	9.18E-01	8.25E-02	1.56E+01	5.53E+00	1.48E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	9.96E-01	4.24E-03	1.57E+01	5.53E+00	1.57E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methylnaphthalene	91-57-6	4.01E-01	5.99E-01	3.44E+01	5.53E+00	1.71E+01	2.79E-15	1.13E-15	1.12E-15		2.10E-13
3-methyl phenol	108-39-4	9.77E-01	2.33E-02	3.42E+00	5.53E+00	3.47E+00	5.06E-09	4.98E-09	4.97E-09		3.20E-08
4-methyl phenol	106-44-5	9.79E-01	2.09E-02	3.15E+00	5.53E+00	3.20E+00	2.56E-09	2.52E-09	2.52E-09		1.46E-08
4-methyl-2-pentanone	108-10-1	9.93E-01	7.21E-03	3.25E+01	5.53E+00	3.23E+01	3.72E-08	3.71E-08	3.71E-08		6.20E-08
acenaphthylene	208-96-8	3.59E-01	6.41E-01	3.04E+01	5.53E+00	1.44E+01	8.97E-16	3.24E-16	3.22E-16		6.94E-14
acetaldehyde	75-07-0	9.96E-01	3.71E-03	4.62E+01	5.53E+00	4.60E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
acetone	67-64-1	9.96E-01	3.71E-03	3.74E+01	5.53E+00	3.72E+01	1.20E-06	1.20E-06	1.20E-06		3.79E-06
acetylene	74-86-2	9.96E-01	4.15E-03	7.50E+01	5.53E+00	7.47E+01	4.51E-09	4.52E-09	4.52E-09		1.43E-08
acrolein	107-02-8	9.96E-01	3.83E-03	4.33E+01	5.53E+00	4.32E+01	2.74E-08	2.74E-08	2.74E-08		8.67E-08
alpha-methylstyrene	98-83-9	8.57E-01	1.43E-01	3.81E+01	5.53E+00	3.34E+01	1.32E-08	1.14E-08	1.14E-08		1.09E-06
benzene	71-43-2	9.82E-01	1.81E-02	4.11E+01	5.53E+00	4.04E+01	9.70E-09	9.58E-09	9.58E-09		7.91E-08
bis(2-chloroisopropyl) ether	108-60-1	9.17E-01	8.29E-02	3.43E+01	5.53E+00	3.19E+01	6.38E-16	5.88E-16	5.88E-16		1.18E-14
carbon disulfide	75-15-0	9.81E-01	1.91E-02	4.06E+01	5.53E+00	3.99E+01	1.08E-07	1.06E-07	1.06E-07		1.05E-06
chlorobenzene	108-90-7	9.46E-01	5.42E-02	3.69E+01	5.53E+00	3.52E+01	6.94E-15	6.60E-15	6.60E-15		1.89E-13
chloroethane	75-00-3	9.93E-01	7.27E-03	4.45E+01	5.53E+00	4.43E+01	2.91E-07	2.91E-07	2.91E-07		6.94E-07
chloroform	67-66-3	9.84E-01	1.59E-02	4.05E+01	5.53E+00	3.99E+01	3.43E-08	3.40E-08	3.40E-08		2.35E-07
chloromethane	74-87-3	9.95E-01	5.07E-03	3.04E+01	5.53E+00	3.03E+01	6.97E-08	6.98E-08	6.98E-08		2.21E-07
chloromethoxyethane	3188-13-4	9.95E-01	5.07E-03	4.13E+01	5.53E+00	4.11E+01	1.52E-05	1.53E-05	1.53E-05		4.82E-05
cis-1,2-dichloroethene	156-59-2	9.87E-01	1.26E-02	3.90E+01	5.53E+00	3.86E+01	3.83E-13	3.80E-13	3.80E-13		2.20E-12
dichlorodifluoromethane	75-71-8	9.82E-01	1.80E-02	4.06E+01	5.53E+00	3.99E+01	2.12E-12	2.09E-12	2.09E-12		1.93E-11
diethyl ether	60-29-7	9.95E-01	5.37E-03	3.56E+01	5.53E+00	3.54E+01	3.32E-08	3.32E-08	3.32E-08		1.05E-07
diethyl phthalate	84-66-2	9.77E-01	2.28E-02	1.09E-01	5.53E+00	2.32E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
di-n-butyl phthalate	84-74-2	7.25E-01	2.75E-01	4.72E+00	5.53E+00	4.94E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
diphenylamine	122-39-4	6.01E-01	3.99E-01	7.83E+00	5.53E+00	6.91E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethane	74-84-0	9.89E-01	1.13E-02	7.05E+01	5.53E+00	6.97E+01	4.09E-07	4.06E-07	4.06E-07		2.01E-06
ethanol	64-17-5	9.96E-01	3.71E-03	1.87E+01	5.53E+00	1.86E+01	8.05E-10	8.07E-10	8.07E-10		2.55E-09
ethene	74-85-1	9.94E-01	5.85E-03	7.25E+01	5.53E+00	7.21E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethyl centralite	85-98-3	2.38E-01	7.62E-01	2.52E-01	5.53E+00	4.27E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethylbenzene	100-41-4	9.50E-01	4.99E-02	3.43E+01	5.53E+00	3.29E+01	1.58E-07	1.51E-07	1.51E-07		7.33E-06
HD	505-60-2	9.44E-01	5.64E-02	2.66E+01	5.53E+00	2.54E+01	1.29E-07	1.22E-07	1.22E-07		1.75E-06
hexachlorobutadiene	87-68-3	3.56E-01	6.44E-01	2.91E+01	5.53E+00	1.39E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
hexachloroethane	67-72-1	7.27E-01	2.73E-01	3.07E+01	5.53E+00	2.39E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
hexane	110-54-3	7.38E-01	2.62E-01	4.40E+01	5.53E+00	3.39E+01	2.39E-08	1.78E-08	1.78E-08		3.57E-06
methane	74-82-8	9.94E-01	5.67E-03	9.32E+01	5.53E+00	9.27E+01	9.22E-08	9.22E-08	9.22E-08		1.27E-07
methyl tert-butyl ether	1634-04-4	9.94E-01	5.61E-03	4.29E+01	5.53E+00	4.27E+01	7.00E-08	7.00E-08	7.00E-08		2.21E-07
methylene chloride	75-09-2	9.94E-01	5.96E-03	4.49E+01	5.53E+00	4.47E+01	1.63E-07	1.63E-07	1.63E-07		3.27E-07
monoethanolamine	141-43-5	9.96E-01	3.60E-03	1.96E-01	5.53E+00	2.15E-01	2.39E-07	2.40E-07	2.40E-07		7.58E-07
naphthalene	91-20-3	7.76E-01	2.24E-01	3.28E+01	5.53E+00	2.67E+01	6.90E-10	5.38E-10	5.38E-10		3.73E-08
nitrobenzene	98-95-3	9.69E-01	3.12E-02	2.72E+01	5.53E+00	2.65E+01	1.19E-16	1.16E-16	1.16E-16		6.13E-16
nitroglycerin	55-63-0	9.89E-01	1.08E-02	8.56E-03	5.53E+00	6.82E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
octane	111-65-9	2.17E-01	7.83E-01	3.84E+01	5.53E+00	1.27E+01	1.47E-07	3.21E-08	3.17E-08		6.35E-05
pentane	109-66-0	8.75E-01	1.25E-01	4.76E+01	5.53E+00	4.24E+01	4.65E-08	4.09E-08	4.09E-08		3.33E-06
phenanthrene	85-01-8	1.38E-01	8.62E-01	4.80E+00	5.53E+00	5.43E+00	9.45E-16	1.31E-16	1.29E-16		1.32E-13
phenol	108-95-2	9.89E-01	1.07E-02	1.77E+00	5.53E+00	1.81E+00	2.38E-14	2.37E-14	2.37E-14		6.75E-14
propene	115-07-1	9.89E-01	1.07E-02	6.06E+01	5.53E+00	6.00E+01	4.14E-08	4.12E-08	4.12E-08		1.90E-07
styrene	100-42-5	8.18E-01	1.82E-01	3.48E+01	5.53E+00	2.95E+01	7.79E-14	6.41E-14	6.41E-14		2.61E-12
tert-butyl alcohol	75-65-0	9.96E-01	4.12E-03	2.44E+01	5.53E+00	2.43E+01	5.84E-08	5.85E-08	5.85E-08		1.85E-07
tetracene	92-24-0	1.20E-02	9.88E-01	1.17E+00	5.53E+00	5.48E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
tetrachloroethene	127-18-4	9.37E-01	6.30E-02	3.55E+01	5.53E+00	3.36E+01	4.68E-07	4.42E-07	4.42E-07		3.66E-05
tetryl	479-45-8	9.87E-01	1.33E-02	8.22E-03	5.53E+00	8.14E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
thiirane	420-12-2	9.95E-01	5.07E-03	5.03E+01	5.53E+00	5.01E+01	3.21E-08	3.21E-08	3.21E-08		1.01E-07
thiodiglycol	111-48-8	9.96E-01	3.65E-03	8.21E-03	5.53E+00	2.83E-02	1.32E-05	1.33E-05	1.33E-05		4.19E-05
toluene	108-88-3	9.64E-01	3.59E-02	3.66E+01	5.53E+00	3.55E+01	1.94E-07	1.88E-07	1.88E-07		4.49E-06
trans-1,2-dichloroethene	156-60-5	9.87E-01	1.26E-02	4.55E+01	5.53E+00	4.50E+01	1.40E-13	1.39E-13	1.39E-13		1.15E-12
trichloroethene	79-01-6	9.74E-01	2.55E-02	3.81E+01	5.53E+00	3.72E+01	1.82E-07	1.78E-07	1.78E-07		2.51E-06
vinyl chloride	75-01-4	9.93E-01	7.27E-03	4.66E+01	5.53E+00	4.63E+01	1.76E-05	1.76E-05	1.76E-05		4.21E-05
xylenes	1330-20-7	9.13E-01	8.68E-02	4.00E+01	5.53E+00	3.70E+01	4.24E-07	3.89E-07	3.89E-07		2.10E-05
aluminum	7429-90-5	9.41E-01	5.93E-02	7.38E+01	5.53E+00	6.98E+01	4.53E-10	4.28E-10	4.28E-10		1.35E-09
ammonia	7664-41-7	9.96E-01	4.02E-03	5.95E+01	5.53E+00	5.93E+01	1.49E-04	1.49E-04	1.49E-04		4.71E-04
arsenic	7440-38-2	8.49E-01	1.51E-01	3.94E+01	5.53E+00	3.43E+01	1.97E-11	1.68E-11	1.68E-11		1.92E-09
cadmium	7440-43-9	6.88E-01	3.12E-01	3.94E+01	5.53E+00	2.88E+01	1.18E-11	8.17E-12	8.17E-12		7.41E-09
chlorine	7782-50-5	9.95E-01	5.07E-03	4.00E+01	5.53E+00	3.98E+01	1.13E-05	1.13E-05	1.13E-05		3.56E-05
copper	7440-50-8	2.80E-01	7.20E-01	5.02E+01	5.53E+00	1.80E+01	4.20E-10	1.18E-10	1.18E-10		3.72E-10
hydrogen chloride	7647-01-0	9.96E-01	4.35E-03	3.97E+01	5.53E+00	3.96E+01	1.31E-05	1.31E-05	1.31E-05		4.15E-05
hydrogen cyanide	74-90-8	9.96E-01	3.72E-03	6.93E+01	5.53E+00	6.91E+01	1.17E-09	1.17E-09	1.17E-09		3.70E-09
lead	7439-92-1	1.57E-01	8.43E-01	3.90E+01	5.53E+00	1.08E+01	2.56E-10	4.05E-11	4.02E-11		3.62E-12
nickel	7440-02-0	7.18E-01	2.82E-01	3.94E+01	5.53E+00	2.98E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
silver	7440-22-4	9.49E-01	5.07E-02	3.94E+01	5.53E+00	3.77E+01	4.06E-13	3.88E-13	3.88E-13		3.40E-11

CONCENTRATIONS OF COPCS IN SURFACE WATER AND FISH FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS:
Adult Subsistence Farmer Exposure Scenario

		Diffusive Mass Transfer Coefficient			Erosion Loading Supporting Calculation		Contaminant Load To The Waterbody					
		Liquid Phase Transfer Coefficient	Gas Phase Transfer Coefficient	Overall Transfer Rate	Unit Soil Loss	Watershed Sediment Delivery Ratio	Due to Direct Deposition	Due to Impervious Runoff	Due to Pervious Runoff	Due to Erosion	Due to Diffusion	Due to All Processes
		(m/yr)	(m/yr)	(m/yr)	(kg/m^2-yr)	(dimensionless)	(g/yr)	(g/yr)	(g/yr)	(g/yr)	(g/yr)	(g/yr)
COPC	CAS Number	K_L	K_G	K_v	X_a	SD	L_{Dep}	L_{IR}	L_{IR}	L_E	L_{Dif}	L_T
1,1,1,2-tetrachloroethane	630-20-6	153.29	454922.32	173.69	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	164.78	484504.19	187.25	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	153.29	454922.32	170.15	0.39	0.18	1.30E-01	6.35E+00	3.24E-02	9.89E-05	1.54E-02	6.53E+00
1,1-dichloroethane	75-34-3	185.48	468559.52	210.51	0.39	0.18	1.90E-02	9.31E-01	1.46E-04	1.41E-07	1.60E-04	9.50E-01
1,1-dichloroethene	75-35-4	184.29	533257.08	209.46	0.39	0.18	3.98E-08	1.95E-06	8.33E-11	1.60E-13	6.11E-11	1.99E-06
1,2,3-trichlorobenzene	87-61-6	179.51	26157.37	179.94	0.39	0.18	1.22E-04	5.95E-03	9.86E-04	3.05E-04	4.14E-06	7.37E-03
1,2,4-trichlorobenzene	120-82-1	157.55	255426.17	177.21	0.39	0.18	6.90E-11	3.38E-09	1.64E-11	9.44E-13	1.66E-12	3.46E-09
1,2,4-trimethyl benzene	95-63-6	167.65	484504.19	190.35	0.39	0.18	3.28E-03	1.60E-01	7.36E-05	1.06E-05	1.00E-05	1.64E-01
1,2-bis(ethylthio)-ethene	13105-10-7	152.64	441952.02	163.60	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	153.55	441952.02	158.99	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	153.29	446296.05	173.51	0.39	0.18	1.33E-10	6.51E-09	1.01E-11	6.16E-13	2.31E-12	6.65E-09
1,2-dichlorobutane	616-21-7	163.65	471938.27	185.98	0.39	0.18	5.22E-01	2.56E+01	3.11E-03	8.83E-05	1.07E-03	2.61E+01
1,2-dichloroethane	107-06-2	178.31	587498.13	201.20	0.39	0.18	1.91E+01	9.37E+02	4.04E-01	2.27E-04	7.52E-01	9.57E+02
1,2-dichloropropane	78-87-5	163.90	485336.19	185.79	0.39	0.18	3.23E-04	1.58E-02	6.11E-06	8.82E-09	5.07E-06	1.61E-02
1,3-dichlorobenzene	541-73-1	152.77	447162.36	173.22	0.39	0.18	1.19E-10	5.81E-09	5.63E-12	7.68E-13	1.26E-12	5.94E-09
1,4-dichlorobenzene	106-46-7	153.29	446296.05	173.67	0.39	0.18	1.32E-10	6.48E-09	7.44E-12	1.43E-13	1.82E-12	6.62E-09
1,4-dioxane	123-91-1	181.91	996974.21	107.19	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	167.65	484504.19	70.00	0.39	0.18	6.24E+00	3.06E+02	1.05E+02	3.86E-01	2.10E+01	4.38E+02
1,4-oxathiane	15980-15-1	178.79	517259.07	79.07	0.39	0.18	6.74E+00	3.30E+02	2.74E+01	1.32E-02	2.34E+01	3.88E+02
1-chlorobutane	109-69-3	189.01	545101.94	214.79	0.39	0.18	2.10E-05	1.03E-03	1.27E-07	3.02E-09	6.34E-08	1.05E-03
1-hexene	592-41-6	197.13	568420.50	224.12	0.39	0.18	7.22E-03	3.53E-01	1.78E-06	1.65E-07	9.27E-07	3.60E-01
2,2-dimethyl-trans-thiirane	3772-13-2	192.51	556821.35	215.89	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	172.96	501013.51	196.18	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	179.51	26157.37	0.01	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	179.51	26157.37	3.82	0.39	0.18	2.46E-11	1.20E-09	6.08E-09	2.83E-11	5.59E-12	7.35E-09
2,4-dinitrotoluene	121-14-2	142.17	919637.13	3.87	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	179.51	26157.37	0.90	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	177.10	496089.19	174.20	0.39	0.18	7.20E-02	3.52E+00	1.07E-01	4.99E-04	5.07E-02	3.76E+00
2-chlorobutane	78-86-4	189.01	545101.94	214.82	0.39	0.18	8.75E-02	4.28E+00	3.46E-04	4.66E-06	1.84E-04	4.37E+00
2-chloroethoxyethane	112-26-5	137.68	397274.70	13.21	0.39	0.18	9.72E-01	4.76E+01	1.15E+02	3.32E-01	3.89E+00	1.68E+02
2-ethyl 1,3-butadiene	3404-63-5	198.28	576088.85	225.43	0.39	0.18	1.60E-03	7.82E-02	6.37E-07	3.30E-08	3.32E-07	7.98E-02
2-hexanone	591-78-6	181.91	525288.08	189.59	0.39	0.18	2.48E-02	1.21E+00	2.03E-02	7.47E-05	7.52E-03	1.27E+00
2-methyl phenol	95-48-7	158.44	467712.96	22.80	0.39	0.18	6.28E-10	3.07E-08	8.40E-09	1.12E-10	2.27E-09	4.21E-08
2-methyl-1,3-dithiacyclopentane	5616-51-3	167.65	484504.19	70.00	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	159.59	459205.33	78.71	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	178.79	517259.07	79.07	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	155.56	449500.91	174.02	0.39	0.18	4.14E-10	2.03E-08	1.18E-10	1.18E-10	2.65E-11	2.10E-08
3-methyl phenol	108-39-4	179.51	467712.96	17.22	0.39	0.18	1.79E-04	8.75E-03	7.49E-03	1.02E-04	8.42E-04	1.74E-02
4-methyl phenol	106-44-5	179.51	467712.96	15.85	0.39	0.18	1.79E-04	8.75E-03	2.09E-05	4.03E-06	8.48E-04	9.80E-03
4-methyl-2-pentanone	108-10-1	151.98	471938.27	163.59	0.39	0.18	1.08E-02	5.27E-01	8.67E-03	3.06E-04	2.97E-03	5.49E-01
acenaphthylene	208-96-8	148.04	329442.88	153.52	0.39	0.18	1.09E-10	5.33E-09	9.37E-11	1.12E-10	2.80E-11	5.68E-09
acetaldehyde	75-07-0	225.98	660977.51	232.31	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	195.98	660977.51	187.89	0.39	0.18	3.85E-01	1.88E+01	3.20E-01	4.47E-04	3.71E-01	1.99E+01
acetylene	74-86-2	332.05	959487.73	377.37	0.39	0.18	2.79E-03	1.36E-01	9.21E-07	3.48E-10	9.23E-06	1.39E-01
acrolein	107-02-8	205.09	591277.00	217.79	0.39	0.18	1.02E-02	5.00E-01	4.71E-03	1.13E-05	1.83E-03	5.17E-01
alpha-methylstyrene	98-83-9	169.02	488657.20	191.53	0.39	0.18	3.93E-03	1.92E-01	2.10E-04	2.31E-05	2.92E-05	1.97E-01
benzene	71-43-2	181.91	525288.08	206.51	0.39	0.18	3.47E-03	1.70E-01	3.43E-05	6.60E-08	3.02E-05	1.73E-01
bis(2-chloroisopropyl) ether	108-60-1	179.51	26157.37	172.64	0.39	0.18	1.42E-10	6.95E-09	1.53E-09	8.85E-11	5.07E-12	8.71E-09
carbon disulfide	75-15-0	179.51	587498.13	204.04	0.39	0.18	3.81E-02	1.86E+00	5.44E-05	7.94E-08	2.56E-05	1.90E+00
chlorobenzene	108-90-7	163.52	463468.76	185.48	0.39	0.18	2.19E-09	1.07E-07	6.45E-11	4.56E-13	2.10E-11	1.10E-07
chloroethane	75-00-3	197.13	1116049.81	224.02	0.39	0.18	1.13E-01	5.52E+00	1.01E-04	5.16E-08	2.83E-04	5.63E+00
chloroform	67-66-3	179.51	587498.13	203.68	0.39	0.18	1.22E-02	5.95E-01	1.23E-04	1.58E-07	1.25E-04	6.08E-01
chloromethane	74-87-3	134.51	668101.45	152.84	0.39	0.18	1.97E-02	9.62E-01	5.72E-05	5.51E-08	6.14E-05	9.82E-01
chloromethoxyethane	3188-13-4	186.66	541167.86	207.87	0.39	0.18	5.52E+00	2.70E+02	4.75E-01	4.57E-04	6.74E-01	2.77E+02
cis-1,2-dichloroethene	156-59-2	179.51	26157.37	196.07	0.39	0.18	1.29E-07	6.30E-06	1.13E-07	1.29E-10	1.17E-09	6.55E-06
dichlorodifluoromethane	75-71-8	179.51	26157.37	203.99	0.39	0.18	7.51E-07	3.67E-05	1.86E-08	1.85E-10	8.51E-11	3.75E-05
diethyl ether	60-29-7	162.26	485336.19	178.96	0.39	0.18	1.06E-02	5.17E-01	1.96E-03	2.52E-06	1.69E-03	5.31E-01
diethyl phthalate	84-66-2	179.51	26157.37	0.55	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	152.77	329140.86	23.78	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	143.92	415884.29	39.47	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	311.82	898267.57	354.52	0.39	0.18	2.37E-01	1.16E+01	1.78E-05	9.16E-08	2.97E-05	1.18E+01
ethanol	64-17-5	214.01	657401.33	93.87	0.39	0.18	1.44E-04	7.04E-03	8.11E-05	6.46E-09	5.15E-04	7.78E-03
ethene	74-85-1	320.92	928720.84	364.86	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	117.14	338482.71	1.28	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	151.98	471938.27	172.62	0.39	0.18	4.72E-02	2.31E+00	7.40E-04	8.66E-06	1.02E-04	2.36E+00
HD	505-60-2	147.91	428791.43	133.93	0.39	0.18	3.10E-02	1.52E+00	3.08E-04	1.16E-05	1.25E-02	1.56E+00
hexachlorobutadiene	87-68-3	129.75	388507.38	147.37	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	138.64	48329.68	154.83	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	194.83	560700.85	221.51	0.39	0.18	7.08E-03	3.46E-01	4.42E-07	1.04E-07	8.60E-08	3.54E-01
methane	74-82-8	412.36	1192048.29	468.82	0.39	0.18	6.95E-02	3.40E+00	1.44E-06	2.01E-09	9.43E-06	3.47E+00
methyl tert-butyl ether	1634-04-4	192.51	556821.35	215.77	0.39	0.18	2.62E-02	1.28E+00	1.92E-03	2.46E-06	9.51E-04	1.31E+00
methylene chloride	75-09-2	199.42	576088.85	225.86	0.39	0.18	6.38E-02	3.12E+00	4.50E-04	1.73E-07	1.45E-03	3.19E+00
monoethanolamine	141-43-5	226.89	655628.01	0.99	0.39	0.18	9.54E-03	4.67E-01	9.48E-02	7.85E-07	5.52E-02	6.26E-01
naphthalene	91-20-3	148.04	401850.95	165.21	0.39	0.18	1.63E-04	7.98E-03	2.87E-05	1.38E-04	1.33E-05	8.33E-03
nitrobenzene	98-95-3	162.26	476145.03	136.94	0.39	0.18	2.59E-11	1.27E-09	1.30E-10	2.47E-12	2.81E-11	1.45E-09
nitroglycerin	55-63-0	126.21	364690.08	0.04	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	171.61	496911.58	195.11	0.39	0.18	1.57E-02	7.70E-01	6.64E-07	1.61E-06	9.44E-08	7.86E-01
pentane	109-66-0	210.69	609996.37	239.54	0.39	0.18	1.70E-02	8.34E-01	1.33E-06	1.24E-07	3.22E-07	8.51E-01
phenanthrene	85-01-8	179.51	26157.37	24.60	0.39	0.18	3.84E-11	1.88E-09	4.47E-12	2.66E-10	7.82E-12	2.19E-09
phenol	108-95-2	168.52	501013.51	8.89	0.39	0.18	1.31E-09	6.39E-08	6.08E-09	4.29E-10	5.53E-09	7.72E-08
propene	115-07-1	268.13	774188.86	304.83	0.39	0.18	2.10E-02	1.03E+00	5.19E-06	2.50E-08	3.22E-06	1.05E+00
styrene	100-42-5	154.58	454922.32	175.21	0.39	0.18	2.07E-08	1.01E-06	1.01E-09	1.94E-09	2.56E-10	1.04E-06
tert-butyl alcohol	75-65-0	208.46	602543.03	122.50	0.39	0.18	1.30E-02	6.35E-01	1.90E-02	6.10E-06	1.73E-02	6.85E-01
tetracene	92-24-0	125.91	363832.58	7.91	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	157.16	459205.33	178.60	0.39	0.18	1.42E-01	6.97E+00	7.91E-04	3.93E-06	3.09E-04	7.12E+00
tetryl	479-45-8	113.65	328400.49	0.04	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	228.12	660977.51	253.19	0.39	0.18	1.38E-02	6.74E-01	1.02E-03	9.85E-07	2.37E-03	6.91E-01
thiodiglycol	111-48-8	166.40	480333.57	0.04	0.39	0.18	4.27E-02	2.09E+00	2.49E+01	7.97E-04	2.16E-01	2.72E+01
toluene	108-88-3	162.26	521281.19	184.27	0.39	0.18	6.20E-02	3.03E+00	8.65E-04	4.99E-06	1.72E-04	3.10E+00
trans-1,2-dichloroethene	156-60-5	201.70	451912.36	229.06	0.39	0.18	5.51E-08	2.70E-06	3.70E-10	5.93E-13	2.56E-10	2.75E-06
trichloroethene	79-01-6	168.52	488657.20	191.44	0.39	0.18	6.06E-02	2.97E+00	5.65E-04	2.99E-06	2.32E-04	3.03E+00
vinyl chloride	75-01-4	206.22	595044.00	234.39	0.39	0.18	7.10E+00	3.48E+02	5.87E-03	3.49E-06	6.73E-03	3.55E+02
xylenes	1330-20-7	177.22	513221.49	201.23	0.39	0.18	1.39E-01	6.81E+00	2.62E-03	1.60E-04	4.17E-04	6.95E+00
aluminum	7429-90-5	326.72	944096.93	371.33	0.39	0.18	2.61E-04	1.28E-02	3.17E-07	5.04E-08	0.00E+00	1.31E-02
ammonia	7664-41-7	401.91	1159889.25	299.40	0.39	0.18	6.85E+01	3.35E+03	1.71E+01	4.66E-03	2.83E+02	3.72E+03
arsenic	7440-38-2	174.30	481169.11	198.17	0.39	0.18	6.00E-06	2.94E-04	6.40E-10	2.98E-10	0.00E+00	3.00E-04
cadmium	7440-43-9	174.30	482421.10	198.12	0.39	0.18	3.01E-06	1.47E-04	7.95E-09	9.57E-09	0.00E+00	1.50E-04
chlorine	7782-50-5	179.51	26157.37	201.21	0.39	0.18	3.93E+00	1.92E+02	2.40E+00	9.64E-03	6.66E-03	1.99E+02
copper	7440-50-8	222.99	644347.48	253.43	0.39	0.18	6.34E-05	3.10E-03	1.38E-07	9.52E-07	0.00E+00	3.17E-03
hydrogen chloride	7647-01-0	179.51	26157.37	199.76	0.39	0.18	4.58E+00	2.24E+02	1.26E+00	6.49E-04	1.17E-02	2.30E+02
hydrogen cyanide	74-90-8	326.32	940764.84	348.77	0.39	0.18	6.65E-04	3.26E-02	1.01E-05	9.19E-10	3.33E-04	3.36E-02
lead	7439-92-1	174.30	481169.11	198.10	0.39	0.18	2.30E-05	1.13E-03	7.59E-08	1.10E-06	0.00E+00	1.15E-03
nickel	7440-02-0	174.30	481169.11	198.10	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	174.30	481169.11	198.10	0.39	0.18	1.36E-07	6.67E-06	4.51E-10	6.01E-11	0.00E+00	6.81E-06

CONCENTRATIONS OF COPCS IN SURFACE WATER AND FISH FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS:
Adult Subsistence Farmer Exposure Scenario

		Waterbody Dissipation Rate Constant					Concentration in Water				Concentration in Fish
COPC	CAS Number	Fraction in Water Column (dimensionless) f_{wc}	Fraction in Benthic Sediment (dimensionless) f_{bs}	Water Column Volatilization Rate Constant (yr^{-1}) k_v	Benthic Burial Rate Constant (yr^{-1}) k_b	Overall Total Waterbody Dissipation Rate Constant (yr^{-1}) k_{ov}	Total Waterbody Concentration Including Water Column and Bed Sediment (mg/ℓ) C_{wtot}	Total Concentration in Water Column (mg/ℓ) C_{wctot}	Dissolved Phase Water Concentration (mg/ℓ) C_{dw}	Concentration Sorbed to Bed Sediment (mg/kg) C_{sb}	Fish Concentration (mg/kg) C_{fish}
1,1,1,2-tetrachloroethane	630-20-6	9.30E-01	7.04E-02	34.52	5.53E+00	3.25E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,1,1-trichloroethane	71-55-6	9.65E-01	3.47E-02	37.22	5.53E+00	3.61E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	9.78E-01	2.21E-02	33.83	5.53E+00	3.32E+01	4.31E-07	4.24E-07	4.24E-07		5.98E-06
1,1-dichloroethane	75-34-3	9.84E-01	1.62E-02	41.85	5.53E+00	4.13E+01	5.22E-08	5.17E-08	5.17E-08		2.51E-07
1,1-dichloroethene	75-35-4	9.81E-01	1.88E-02	41.64	5.53E+00	4.10E+01	1.10E-13	1.08E-13	1.08E-13		8.96E-13
1,2,3-trichlorobenzene	87-61-6	6.82E-01	3.18E-01	35.72	5.53E+00	2.61E+01	6.31E-10	4.33E-10	4.32E-10		1.49E-07
1,2,4-trichlorobenzene	120-82-1	7.14E-01	2.86E-01	35.19	5.53E+00	2.67E+01	2.89E-16	2.07E-16	2.07E-16		4.97E-14
1,2,4-trimethyl benzene	95-63-6	8.20E-01	1.80E-01	37.82	5.53E+00	3.20E+01	1.15E-08	9.47E-09	9.46E-09		1.18E-06
1,2-bis(ethylthio)-ethene	13105-10-7	8.60E-01	1.40E-01	32.51	5.53E+00	2.87E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	8.73E-01	1.27E-01	31.60	5.53E+00	2.83E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,2-dichlorobenzene	95-50-1	9.14E-01	8.64E-02	34.49	5.53E+00	3.20E+01	4.58E-16	4.21E-16	4.21E-16		3.37E-14
1,2-dichlorobutane	616-21-7	9.56E-01	4.40E-02	36.97	5.53E+00	3.56E+01	1.63E-06	1.57E-06	1.57E-06		4.03E-05
1,2-dichloroethane	107-06-2	9.87E-01	1.26E-02	40.00	5.53E+00	3.96E+01	5.44E-05	5.41E-05	5.41E-05		1.54E-04
1,2-dichloropropane	78-87-5	9.85E-01	1.47E-02	36.94	5.53E+00	3.65E+01	9.84E-10	9.76E-10	9.76E-10		6.75E-09
1,3-dichlorobenzene	541-73-1	8.28E-01	1.72E-01	34.42	5.53E+00	2.95E+01	4.45E-16	3.71E-16	3.71E-16		4.37E-14
1,4-dichlorobenzene	106-46-7	8.69E-01	1.31E-01	34.51	5.53E+00	3.07E+01	4.76E-16	4.16E-16	4.16E-16		4.11E-14
1,4-dioxane	123-91-1	9.96E-01	3.71E-03	21.31	5.53E+00	2.13E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,4-dithiane	505-29-3	9.91E-01	8.98E-03	13.92	5.53E+00	1.38E+01	5.56E-05	5.54E-05	5.54E-05		1.27E-04
1,4-oxathiane	15980-15-1	9.96E-01	4.36E-03	15.72	5.53E+00	1.57E+01	4.52E-05	4.52E-05	4.52E-05		1.43E-04
1-chlorobutane	109-69-3	9.62E-01	3.75E-02	42.70	5.53E+00	4.13E+01	5.77E-11	5.59E-11	5.59E-11		1.20E-09
1-hexene	592-41-6	8.75E-01	1.25E-01	44.54	5.53E+00	3.97E+01	2.08E-08	1.83E-08	1.83E-08		1.49E-06
2,2-dimethyl-trans-thiirane	3772-13-2	9.86E-01	1.41E-02	42.92	5.53E+00	4.24E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,3-dimethyl-thiophene	632-16-6	9.42E-01	5.80E-02	38.99	5.53E+00	3.71E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,4,6-trinitrotoluene	118-96-7	9.88E-01	1.24E-02	0.00	5.53E+00	6.99E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,4-dichlorophenol	120-83-2	9.63E-01	3.74E-02	0.76	5.53E+00	9.38E-01	2.50E-15	2.42E-15	2.42E-15		3.30E-14
2,4-dinitrotoluene	121-14-2	9.76E-01	2.42E-02	0.77	5.53E+00	8.84E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,6-dinitrotoluene	606-20-2	9.85E-01	1.51E-02	0.18	5.53E+00	2.61E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-butanone	78-93-3	9.96E-01	4.06E-03	34.63	5.53E+00	3.45E+01	2.39E-07	2.40E-07	2.40E-07		7.58E-07
2-chlorobutane	78-86-4	9.77E-01	2.31E-02	42.70	5.53E+00	4.18E+01	2.37E-07	2.33E-07	2.33E-07		2.90E-06
2-chloroethoxyethane	112-26-5	9.92E-01	7.92E-03	2.63	5.53E+00	2.65E+00	4.58E-05	4.57E-05	4.57E-05		8.83E-05
2-ethyl 1,3-butadiene	3404-63-5	9.25E-01	7.51E-02	44.81	5.53E+00	4.19E+01	4.37E-09	4.06E-09	4.06E-09		1.87E-07
2-hexanone	591-78-6	9.91E-01	8.98E-03	37.69	5.53E+00	3.74E+01	7.56E-08	7.54E-08	7.54E-08		1.73E-07
2-methyl phenol	95-48-7	9.77E-01	2.29E-02	4.53	5.53E+00	4.55E+00	9.72E-15	9.55E-15	9.55E-15		6.05E-14
2-methyl-1,3-dithiacyclopentane	5616-51-3	9.70E-01	3.05E-02	13.91	5.53E+00	1.37E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methyl-1,3-dithiane	6007-26-7	9.18E-01	8.25E-02	15.64	5.53E+00	1.48E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	9.96E-01	4.24E-03	15.72	5.53E+00	1.57E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methylnaphthalene	91-57-6	4.01E-01	5.99E-01	34.43	5.53E+00	1.71E+01	2.78E-15	1.12E-15	1.12E-15		2.09E-13
3-methyl phenol	108-39-4	9.77E-01	2.33E-02	3.42	5.53E+00	3.47E+00	4.42E-09	4.34E-09	4.34E-09		2.80E-08
4-methyl phenol	106-44-5	9.79E-01	2.09E-02	3.15	5.53E+00	3.20E+00	2.56E-09	2.52E-09	2.52E-09		1.46E-08
4-methyl-2-pentanone	108-10-1	9.93E-01	7.21E-03	32.52	5.53E+00	3.23E+01	3.70E-08	3.69E-08	3.69E-08		6.17E-08
acenaphthylene	208-96-8	3.59E-01	6.41E-01	30.35	5.53E+00	1.44E+01	8.86E-16	3.20E-16	3.18E-16		6.86E-14
acetaldehyde	75-07-0	9.96E-01	3.71E-03	46.19	5.53E+00	4.60E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
acetone	67-64-1	9.96E-01	3.71E-03	37.35	5.53E+00	3.72E+01	1.19E-06	1.19E-06	1.19E-06		3.77E-06
acetylene	74-86-2	9.96E-01	4.15E-03	75.02	5.53E+00	7.47E+01	4.51E-09	4.52E-09	4.52E-09		1.43E-08
acrolein	107-02-8	9.96E-01	3.83E-03	43.30	5.53E+00	4.32E+01	2.73E-08	2.74E-08	2.74E-08		8.64E-08
alpha-methylstyrene	98-83-9	8.57E-01	1.43E-01	38.06	5.53E+00	3.34E+01	1.32E-08	1.14E-08	1.14E-08		1.09E-06
benzene	71-43-2	9.82E-01	1.81E-02	41.05	5.53E+00	4.04E+01	9.70E-09	9.58E-09	9.58E-09		7.91E-08
bis(2-chloroisopropyl) ether	108-60-1	9.17E-01	8.29E-02	34.31	5.53E+00	3.19E+01	6.00E-16	5.54E-16	5.54E-16		1.11E-14
carbon disulfide	75-15-0	9.81E-01	1.91E-02	40.56	5.53E+00	3.99E+01	1.08E-07	1.06E-07	1.06E-07		1.05E-06
chlorobenzene	108-90-7	9.46E-01	5.42E-02	36.87	5.53E+00	3.52E+01	6.94E-15	6.60E-15	6.60E-15		1.89E-13
chloroethane	75-00-3	9.93E-01	7.27E-03	44.54	5.53E+00	4.43E+01	2.91E-07	2.91E-07	2.91E-07		6.94E-07
chloroform	67-66-3	9.84E-01	1.59E-02	40.49	5.53E+00	3.99E+01	3.43E-08	3.40E-08	3.40E-08		2.35E-07
chloromethane	74-87-3	9.95E-01	5.07E-03	30.39	5.53E+00	3.03E+01	6.97E-08	6.98E-08	6.98E-08		2.21E-07
chloromethoxyethane	3188-13-4	9.95E-01	5.07E-03	41.33	5.53E+00	4.11E+01	1.52E-05	1.52E-05	1.52E-05		4.82E-05
cis-1,2-dichloroethene	156-59-2	9.87E-01	1.26E-02	38.98	5.53E+00	3.86E+01	3.81E-13	3.78E-13	3.78E-13		2.19E-12
dichlorodifluoromethane	75-71-8	9.82E-01	1.80E-02	40.55	5.53E+00	3.99E+01	2.12E-12	2.09E-12	2.09E-12		1.92E-11
diethyl ether	60-29-7	9.95E-01	5.37E-03	35.58	5.53E+00	3.54E+01	3.32E-08	3.32E-08	3.32E-08		1.05E-07
diethyl phthalate	84-66-2	9.77E-01	2.28E-02	0.11	5.53E+00	2.32E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
di-n-butyl phthalate	84-74-2	7.25E-01	2.75E-01	4.72	5.53E+00	4.94E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
diphenylamine	122-39-4	6.01E-01	3.99E-01	7.83	5.53E+00	6.91E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethane	74-84-0	9.89E-01	1.13E-02	70.48	5.53E+00	6.97E+01	4.09E-07	4.06E-07	4.06E-07		2.01E-06
ethanol	64-17-5	9.96E-01	3.71E-03	18.66	5.53E+00	1.86E+01	8.02E-10	8.04E-10	8.04E-10		2.54E-09
ethene	74-85-1	9.94E-01	5.85E-03	72.54	5.53E+00	7.21E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethyl centralite	85-98-3	2.38E-01	7.62E-01	0.25	5.53E+00	4.27E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethylbenzene	100-41-4	9.50E-01	4.99E-02	34.31	5.53E+00	3.29E+01	1.58E-07	1.51E-07	1.51E-07		7.33E-06
HD	505-60-2	9.44E-01	5.64E-02	26.62	5.53E+00	2.54E+01	1.29E-07	1.22E-07	1.22E-07		1.75E-06
hexachlorobutadiene	87-68-3	3.56E-01	6.44E-01	29.13	5.53E+00	1.39E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
hexachloroethane	67-72-1	7.27E-01	2.73E-01	30.75	5.53E+00	2.39E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
hexane	110-54-3	7.38E-01	2.62E-01	43.99	5.53E+00	3.39E+01	2.39E-08	1.78E-08	1.77E-08		3.57E-06
methane	74-82-8	9.94E-01	5.67E-03	93.20	5.53E+00	9.27E+01	9.22E-08	9.22E-08	9.22E-08		1.27E-07
methyl tert-butyl ether	1634-04-4	9.94E-01	5.61E-03	42.90	5.53E+00	4.27E+01	6.99E-08	6.99E-08	6.99E-08		2.21E-07
methylene chloride	75-09-2	9.94E-01	5.96E-03	44.90	5.53E+00	4.47E+01	1.63E-07	1.63E-07	1.63E-07		3.27E-07
monoethanolamine	141-43-5	9.96E-01	3.60E-03	0.20	5.53E+00	2.15E-01	2.28E-07	2.28E-07	2.28E-07		7.21E-07
naphthalene	91-20-3	7.76E-01	2.24E-01	32.82	5.53E+00	2.67E+01	6.85E-10	5.35E-10	5.34E-10		3.70E-08
nitrobenzene	98-95-3	9.69E-01	3.12E-02	27.22	5.53E+00	2.65E+01	1.15E-16	1.12E-16	1.12E-16		5.95E-16
nitroglycerin	55-63-0	9.89E-01	1.08E-02	0.01	5.53E+00	6.82E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
octane	111-65-9	2.17E-01	7.83E-01	38.35	5.53E+00	1.27E+01	1.47E-07	3.21E-08	3.17E-08		6.35E-05
pentane	109-66-0	8.75E-01	1.25E-01	47.60	5.53E+00	4.24E+01	4.65E-08	4.09E-08	4.09E-08		3.33E-06
phenanthrene	85-01-8	1.38E-01	8.62E-01	4.80	5.53E+00	5.43E+00	9.07E-16	1.26E-16	1.23E-16		1.27E-13
phenol	108-95-2	9.89E-01	1.07E-02	1.77	5.53E+00	1.81E+00	2.32E-14	2.31E-14	2.31E-14		6.57E-14
propene	115-07-1	9.89E-01	1.07E-02	60.60	5.53E+00	6.00E+01	4.14E-08	4.12E-08	4.12E-08		1.90E-07
styrene	100-42-5	8.18E-01	1.82E-01	34.81	5.53E+00	2.95E+01	7.78E-14	6.40E-14	6.40E-14		2.60E-12
tert-butyl alcohol	75-65-0	9.96E-01	4.12E-03	24.35	5.53E+00	2.43E+01	5.79E-08	5.80E-08	5.80E-08		1.83E-07
tetracene	92-24-0	1.20E-02	9.88E-01	1.17	5.53E+00	5.48E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
tetrachloroethene	127-18-4	9.37E-01	6.30E-02	35.50	5.53E+00	3.36E+01	4.68E-07	4.42E-07	4.42E-07		3.66E-05
tetryl	479-45-8	9.87E-01	1.33E-02	0.01	5.53E+00	8.14E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
thiirane	420-12-2	9.95E-01	5.07E-03	50.34	5.53E+00	5.01E+01	3.20E-08	3.21E-08	3.21E-08		1.01E-07
thiodiglycol	111-48-8	9.96E-01	3.65E-03	0.01	5.53E+00	2.83E-02	1.01E-05	1.02E-05	1.02E-05		3.21E-05
toluene	108-88-3	9.64E-01	3.59E-02	36.63	5.53E+00	3.55E+01	1.94E-07	1.88E-07	1.88E-07		4.49E-06
trans-1,2-dichloroethene	156-60-5	9.87E-01	1.26E-02	45.54	5.53E+00	4.50E+01	1.40E-13	1.39E-13	1.39E-13		1.15E-12
trichloroethene	79-01-6	9.74E-01	2.55E-02	38.06	5.53E+00	3.72E+01	1.82E-07	1.78E-07	1.78E-07		2.51E-06
vinyl chloride	75-01-4	9.93E-01	7.27E-03	46.60	5.53E+00	4.63E+01	1.76E-05	1.76E-05	1.76E-05		4.21E-05
xylenes	1330-20-7	9.13E-01	8.68E-02	39.99	5.53E+00	3.70E+01	4.24E-07	3.89E-07	3.89E-07		2.10E-05
aluminum	7429-90-5	9.41E-01	5.93E-02	73.82	5.53E+00	6.98E+01	4.53E-10	4.28E-10	4.28E-10		1.35E-09
ammonia	7664-41-7	9.96E-01	4.02E-03	59.52	5.53E+00	5.93E+01	1.49E-04	1.49E-04	1.49E-04		4.71E-04
arsenic	7440-38-2	8.49E-01	1.51E-01	39.39	5.53E+00	3.43E+01	1.97E-11	1.68E-11	1.68E-11		1.92E-09
cadmium	7440-43-9	6.88E-01	3.12E-01	39.36	5.53E+00	2.88E+01	1.18E-11	8.17E-12	8.17E-12		7.41E-09
chlorine	7782-50-5	9.95E-01	5.07E-03	40.00	5.53E+00	3.98E+01	1.12E-05	1.12E-05	1.12E-05		3.55E-05
copper	7440-50-8	2.80E-01	7.20E-01	50.17	5.53E+00	1.80E+01	4.19E-10	1.18E-10	1.18E-10		3.72E-10
hydrogen chloride	7647-01-0	9.96E-01	4.35E-03	39.71	5.53E+00	3.96E+01	1.31E-05	1.31E-05	1.31E-05		4.14E-05
hydrogen cyanide	74-90-8	9.96E-01	3.72E-03	69.34	5.53E+00	6.91E+01	1.17E-09	1.17E-09	1.17E-09		3.70E-09
lead	7439-92-1	1.57E-01	8.43E-01	39.03	5.53E+00	1.08E+01	2.56E-10	4.05E-11	4.02E-11		3.62E-12
nickel	7440-02-0	7.18E-01	2.82E-01	39.36	5.53E+00	2.98E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
silver	7440-22-4	9.49E-01	5.07E-02	39.38	5.53E+00	3.77E+01	4.06E-13	3.88E-13	3.88E-13		3.40E-11

CONCENTRATIONS OF COPCS IN SURFACE WATER AND FISH FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS:
Child Exposure Scenarios

		Diffusive Mass Transfer Coefficient			Erosion Loading Supporting Calculation		Contaminant Load To The Waterbody					
COPC	CAS Number	Liquid Phase Transfer Coefficient (m/yr) K_L	Gas Phase Transfer Coefficient (m/yr) K_G	Overall Transfer Rate (m/yr) K_v	Unit Soil Loss (kg/m^2-yr) X_s	Watershed Sediment Delivery Ratio (dimensionless) SD	Due to Direct Deposition (g/yr) L_{Dep}	Due to Impervious Runoff (g/yr) L_{RI}	Due to Pervious Runoff (g/yr) L_R	Due to Erosion (g/yr) L_E	Due to Diffusion (g/yr) L_{Dif}	Due to All Processes (g/yr) L_T
1,1,1,2-tetrachloroethane	630-20-6	153.29	454922.32	173.69	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	164.78	484504.19	187.25	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	153.29	454922.32	170.15	0.39	0.18	1.30E-01	6.35E+00	2.59E-01	7.91E-04	1.54E-02	6.76E+00
1,1-dichloroethane	75-34-3	185.48	468559.52	210.51	0.39	0.18	1.90E-02	9.31E-01	1.17E-03	1.13E-06	1.60E-04	9.51E-01
1,1-dichloroethene	75-35-4	184.29	533257.08	209.46	0.39	0.18	3.98E-08	1.95E-06	6.67E-10	1.28E-12	6.11E-11	1.99E-06
1,2,3-trichlorobenzene	87-61-6	179.51	26157.37	179.94	0.39	0.18	1.22E-04	5.95E-03	7.43E-03	2.30E-03	4.14E-06	1.58E-02
1,2,4-trichlorobenzene	120-82-1	157.55	255426.17	177.21	0.39	0.18	6.90E-11	3.38E-09	1.31E-10	7.55E-12	1.66E-12	3.58E-09
1,2,4-trimethyl benzene	95-63-6	167.65	484504.19	190.35	0.39	0.18	3.28E-03	1.60E-01	5.89E-04	8.48E-05	1.00E-05	1.64E-01
1,2-bis(ethylthio)-ethene	13105-10-7	152.64	441952.02	163.60	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	153.55	441952.02	158.99	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	153.29	446296.05	173.51	0.39	0.18	1.33E-10	6.51E-09	8.11E-11	4.93E-12	2.31E-12	6.73E-09
1,2-dichlorobutane	616-21-7	163.65	471938.27	185.98	0.39	0.18	5.22E-01	2.56E+01	2.49E-02	7.06E-04	1.07E-03	2.61E+01
1,2-dichloroethane	107-06-2	178.31	587498.13	201.20	0.39	0.18	1.91E+01	9.37E+02	3.23E+00	1.82E-03	7.52E-01	9.60E+02
1,2-dichloropropane	78-87-5	163.90	485336.19	185.79	0.39	0.18	3.23E-04	1.58E-02	4.89E-05	7.06E-08	5.07E-06	1.62E-02
1,3-dichlorobenzene	541-73-1	152.77	447162.36	173.22	0.39	0.18	1.19E-10	5.81E-09	4.51E-11	6.15E-12	1.26E-12	5.98E-09
1,4-dichlorobenzene	106-46-7	153.29	446296.05	173.67	0.39	0.18	1.32E-10	6.48E-09	5.95E-11	1.15E-12	1.82E-12	6.67E-09
1,4-dioxane	123-91-1	181.91	996974.21	107.19	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	167.65	484504.19	70.00	0.39	0.18	6.24E+00	3.06E+02	8.35E+02	3.08E+00	2.10E+01	1.17E+03
1,4-oxathiane	15980-15-1	178.79	517259.07	79.07	0.39	0.18	6.74E+00	3.30E+02	2.19E+02	1.06E-01	2.34E+01	5.80E+02
1-chlorobutane	109-69-3	189.01	545101.94	214.79	0.39	0.18	2.10E-05	1.03E-03	1.02E-06	2.42E-08	6.34E-08	1.05E-03
1-hexene	592-41-6	197.13	568420.50	224.12	0.39	0.18	7.22E-03	3.53E-01	1.42E-05	1.32E-06	9.27E-07	3.60E-01
2,2-dimethyl-trans-thiirane	3772-13-2	192.51	556821.35	215.89	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	172.96	501013.51	196.18	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	179.51	26157.37	0.01	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	179.51	26157.37	3.82	0.39	0.18	2.46E-11	1.20E-09	4.68E-08	2.18E-10	5.59E-12	4.82E-08
2,4-dinitrotoluene	121-14-2	142.17	919637.13	3.87	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	179.51	26157.37	0.90	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	177.10	496089.19	174.20	0.39	0.18	7.20E-02	3.52E+00	8.58E-01	3.99E-03	5.07E-02	4.51E+00
2-chlorobutane	78-86-4	189.01	545101.94	214.82	0.39	0.18	8.75E-02	4.28E+00	2.77E-03	3.73E-05	1.84E-04	4.37E+00
2-chloroethoxyethane	112-26-5	137.68	397274.70	13.21	0.39	0.18	9.72E-01	4.76E+01	9.07E+02	2.62E+00	3.89E+00	9.62E+02
2-ethyl 1,3-butadiene	3404-63-5	198.28	576088.85	225.43	0.39	0.18	1.60E-03	7.82E-02	5.10E-06	2.64E-07	3.32E-07	7.98E-02
2-hexanone	591-78-6	181.91	525288.08	189.59	0.39	0.18	2.48E-02	1.21E+00	1.62E-01	5.98E-04	7.52E-03	1.41E+00
2-methyl phenol	95-48-7	158.44	467712.96	22.80	0.39	0.18	6.28E-10	3.07E-08	6.69E-08	8.91E-10	2.27E-09	1.01E-07
2-methyl-1,3-dithiacyclopentane	5616-51-3	167.65	484504.19	70.00	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	159.59	459205.33	78.71	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	178.79	517259.07	79.07	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	155.56	449500.91	174.02	0.39	0.18	4.14E-10	2.03E-08	9.42E-10	9.42E-10	2.65E-11	2.26E-08
3-methyl phenol	108-39-4	179.51	467712.96	17.22	0.39	0.18	1.79E-04	8.75E-03	5.90E-02	8.04E-04	8.42E-04	6.96E-02
4-methyl phenol	106-44-5	179.51	467712.96	15.85	0.39	0.18	1.79E-04	8.75E-03	1.67E-04	3.22E-05	8.48E-04	9.98E-03
4-methyl-2-pentanone	108-10-1	151.98	471938.27	163.59	0.39	0.18	1.08E-02	5.27E-01	6.93E-02	2.45E-03	2.97E-03	6.12E-01
acenaphthylene	208-96-8	148.04	329442.88	153.52	0.39	0.18	1.09E-10	5.33E-09	7.32E-10	8.77E-10	2.80E-11	7.08E-09
acetaldehyde	75-07-0	225.98	660977.51	232.31	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	195.98	660977.51	187.89	0.39	0.18	3.85E-01	1.88E+01	2.56E+00	3.58E-03	3.71E-01	2.22E+01
acetylene	74-86-2	332.05	959487.73	377.37	0.39	0.18	2.79E-03	1.36E-01	7.37E-06	2.78E-09	9.23E-06	1.39E-01
acrolein	107-02-8	205.09	591277.00	217.79	0.39	0.18	1.02E-02	5.00E-01	3.77E-02	9.07E-05	1.83E-03	5.50E-01
alpha-methylstyrene	98-83-9	169.02	488657.20	191.53	0.39	0.18	3.93E-03	1.92E-01	1.68E-03	1.84E-04	2.92E-05	1.98E-01
benzene	71-43-2	181.91	525288.08	206.51	0.39	0.18	3.47E-03	1.70E-01	2.74E-04	5.28E-07	3.02E-05	1.74E-01
bis(2-chloroisopropyl) ether	108-60-1	179.51	26157.37	172.64	0.39	0.18	1.42E-10	6.95E-09	1.20E-08	6.97E-10	5.07E-12	1.98E-08
carbon disulfide	75-15-0	179.51	587498.13	204.04	0.39	0.18	3.81E-02	1.86E+00	4.35E-04	6.35E-07	2.56E-05	1.90E+00
chlorobenzene	108-90-7	163.52	463468.76	185.48	0.39	0.18	2.19E-09	1.07E-07	5.16E-10	3.64E-12	2.10E-11	1.10E-07
chloroethane	75-00-3	197.13	1116049.81	224.02	0.39	0.18	1.13E-01	5.52E+00	8.04E-04	4.13E-07	2.83E-04	5.63E+00
chloroform	67-66-3	179.51	587498.13	203.68	0.39	0.18	1.22E-02	5.95E-01	9.84E-04	1.26E-06	1.25E-04	6.08E-01
chloromethane	74-87-3	134.51	668101.45	152.84	0.39	0.18	1.97E-02	9.62E-01	4.58E-04	4.41E-07	6.14E-05	9.83E-01
chloromethoxyethane	3188-13-4	186.66	541167.86	207.87	0.39	0.18	5.52E+00	2.70E+02	3.80E+00	3.66E-03	6.74E-01	2.80E+02
cis-1,2-dichloroethene	156-59-2	179.51	26157.37	196.07	0.39	0.18	1.29E-07	6.30E-06	9.03E-07	1.03E-09	1.17E-09	7.34E-06
dichlorodifluoromethane	75-71-8	179.51	26157.37	203.99	0.39	0.18	7.51E-07	3.67E-05	1.49E-07	1.48E-09	8.51E-11	3.76E-05
diethyl ether	60-29-7	162.26	485336.19	178.96	0.39	0.18	1.06E-02	5.17E-01	1.57E-02	2.02E-05	1.69E-03	5.45E-01
diethyl phthalate	84-66-2	179.51	26157.37	0.55	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	152.77	329140.86	23.78	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	143.92	415884.29	39.47	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	311.82	898267.57	354.52	0.39	0.18	2.37E-01	1.16E+01	1.43E-04	7.33E-07	2.97E-05	1.18E+01
ethanol	64-17-5	214.01	657401.33	93.87	0.39	0.18	1.44E-04	7.04E-03	6.49E-04	5.16E-08	5.15E-04	8.35E-03
ethene	74-85-1	320.92	928720.84	364.86	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	117.14	338482.71	1.28	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	151.98	471938.27	172.62	0.39	0.18	4.72E-02	2.31E+00	5.92E-03	6.93E-05	1.02E-04	2.36E+00
HD	505-60-2	147.91	428791.43	133.93	0.39	0.18	3.10E-02	1.52E+00	2.46E-03	9.25E-05	1.25E-02	1.56E+00
hexachlorobutadiene	87-68-3	129.75	388507.38	147.37	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	138.64	48329.68	154.83	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	194.83	560700.85	221.51	0.39	0.18	7.08E-03	3.46E-01	3.53E-06	8.32E-07	8.60E-08	3.54E-01
methane	74-82-8	412.36	1192048.29	468.82	0.39	0.18	6.95E-02	3.40E+00	1.15E-05	1.61E-08	9.43E-06	3.47E+00
methyl tert-butyl ether	1634-04-4	192.51	556821.35	215.77	0.39	0.18	2.62E-02	1.28E+00	1.53E-02	1.97E-05	9.51E-04	1.33E+00
methylene chloride	75-09-2	199.42	576088.85	225.86	0.39	0.18	6.38E-02	3.12E+00	3.60E-03	1.39E-06	1.45E-03	3.19E+00
monoethanolamine	141-43-5	226.89	655628.01	0.99	0.39	0.18	9.54E-03	4.67E-01	7.58E-01	6.27E-06	5.52E-02	1.29E+00
naphthalene	91-20-3	148.04	401850.95	165.21	0.39	0.18	1.63E-04	7.98E-03	2.25E-04	1.08E-03	1.33E-05	9.47E-03
nitrobenzene	98-95-3	162.26	476145.03	136.94	0.39	0.18	2.59E-11	1.27E-09	1.03E-09	1.97E-11	2.81E-11	2.37E-09
nitroglycerin	55-63-0	126.21	364690.08	0.04	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	171.61	496911.58	195.11	0.39	0.18	1.57E-02	7.70E-01	5.31E-06	1.29E-05	9.44E-08	7.86E-01
pentane	109-66-0	210.69	609996.37	239.54	0.39	0.18	1.70E-02	8.34E-01	1.07E-05	9.89E-07	3.22E-07	8.51E-01
phenanthrene	85-01-8	179.51	26157.37	24.60	0.39	0.18	3.84E-11	1.88E-09	3.01E-11	1.79E-09	7.82E-12	3.74E-09
phenol	108-95-2	168.52	501013.51	8.89	0.39	0.18	1.31E-09	6.39E-08	4.82E-08	3.40E-09	5.53E-09	1.22E-07
propene	115-07-1	268.13	774188.86	304.83	0.39	0.18	2.10E-02	1.03E+00	4.15E-05	2.00E-07	3.22E-06	1.05E+00
styrene	100-42-5	154.58	454922.32	175.21	0.39	0.18	2.07E-08	1.01E-06	8.04E-09	1.55E-08	2.56E-10	1.06E-06
tert-butyl alcohol	75-65-0	208.46	602543.03	122.50	0.39	0.18	1.30E-02	6.35E-01	1.52E-01	4.88E-05	1.73E-02	8.18E-01
tetracene	92-24-0	125.91	363832.58	7.91	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	157.16	459205.33	178.60	0.39	0.18	1.42E-01	6.97E+00	6.32E-03	3.15E-05	3.09E-04	7.12E+00
tetryl	479-45-8	113.65	328400.49	0.04	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	228.12	660977.51	253.19	0.39	0.18	1.38E-02	6.74E-01	8.19E-03	7.88E-06	2.37E-03	6.98E-01
thiodiglycol	111-48-8	166.40	480333.57	0.04	0.39	0.18	4.27E-02	2.09E+00	1.93E+02	6.19E-03	2.16E-01	1.95E+02
toluene	108-88-3	162.26	521281.19	184.27	0.39	0.18	6.20E-02	3.03E+00	6.92E-03	3.99E-05	1.72E-04	3.10E+00
trans-1,2-dichloroethene	156-60-5	201.70	451912.36	229.06	0.39	0.18	5.51E-08	2.70E-06	2.96E-09	4.75E-12	2.56E-10	2.75E-06
trichloroethene	79-01-6	168.52	488657.20	191.44	0.39	0.18	6.06E-02	2.97E+00	4.52E-03	2.39E-05	2.32E-04	3.03E+00
vinyl chloride	75-01-4	206.22	595044.00	234.39	0.39	0.18	7.10E+00	3.48E+02	4.70E-02	2.79E-05	6.73E-03	3.55E+02
xylenes	1330-20-7	177.22	513221.49	201.23	0.39	0.18	1.39E-01	6.81E+00	2.09E-02	1.28E-03	4.17E-04	6.97E+00
aluminum	7429-90-5	326.72	944096.93	371.33	0.39	0.18	2.61E-04	1.28E-02	2.54E-06	4.03E-07	0.00E+00	1.31E-02
ammonia	7664-41-7	401.91	1159889.25	299.40	0.39	0.18	6.85E+01	3.35E+03	1.37E+02	3.73E-02	2.83E+02	3.84E+03
arsenic	7440-38-2	174.30	481169.11	198.17	0.39	0.18	6.00E-06	2.94E-04	5.12E-09	2.38E-09	0.00E+00	3.00E-04
cadmium	7440-43-9	174.30	482421.10	198.12	0.39	0.18	3.01E-06	1.47E-04	6.36E-08	7.65E-08	0.00E+00	1.50E-04
chlorine	7782-50-5	179.51	26157.37	201.21	0.39	0.18	3.93E+00	1.92E+02	1.92E+01	7.71E-02	6.66E-03	2.15E+02
copper	7440-50-8	222.99	644347.48	253.43	0.39	0.18	6.34E-05	3.10E-03	1.10E-06	7.61E-06	0.00E+00	3.17E-03
hydrogen chloride	7647-01-0	179.51	26157.37	199.76	0.39	0.18	4.58E+00	2.24E+02	1.01E+01	5.19E-03	1.17E-02	2.39E+02
hydrogen cyanide	74-90-8	326.32	940764.84	348.77	0.39	0.18	6.65E-04	3.26E-02	8.06E-05	7.35E-09	3.33E-04	3.36E-02
lead	7439-92-1	174.30	481169.11	198.10	0.39	0.18	2.30E-05	1.13E-03	6.06E-07	8.76E-06	0.00E+00	1.16E-03
nickel	7440-02-0	174.30	481169.11	198.10	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	174.30	481169.11	198.10	0.39	0.18	1.36E-07	6.67E-06	3.61E-09	4.81E-10	0.00E+00	6.81E-06

CONCENTRATIONS OF COPCS IN SURFACE WATER AND FISH FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Child Exposure Scenarios											
		Waterbody Dissipation Rate Constant					Concentration in Water				Concentration in Fish
COPC	CAS Number	Fraction in Water Column (dimensionless) f_{wc}	Fraction in Benthic Sediment (dimensionless) f_{bs}	Water Column Volatilization Rate Constant (yr^{-1}) k_v	Benthic Burial Rate Constant (yr^{-1}) k_b	Overall Total Waterbody Dissipation Rate Constant (yr^{-1}) k_{ov}	Total Waterbody Concentration Including Water Column and Bed Sediment (mg/ℓ) C_{wbtot}	Total Concentration in Water Column (mg/ℓ) C_{wctot}	Dissolved Phase Water Concentration (mg/ℓ) C_{dw}	Concentration Sorbed to Bed Sediment (mg/kg) C_{sb}	Fish Concentration (mg/kg) C_{fish}
1,1,1,2-tetrachloroethane	630-20-6	9.30E-01	7.04E-02	34.52	5.53E+00	3.25E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,1,1-trichloroethane	71-55-6	9.65E-01	3.47E-02	37.22	5.53E+00	3.61E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	9.78E-01	2.21E-02	33.83	5.53E+00	3.32E+01	4.46E-07	4.39E-07	4.39E-07		6.19E-06
1,1-dichloroethane	75-34-3	9.84E-01	1.62E-02	41.85	5.53E+00	4.13E+01	5.23E-08	5.17E-08	5.17E-08		2.51E-07
1,1-dichloroethene	75-35-4	9.81E-01	1.88E-02	41.64	5.53E+00	4.10E+01	1.10E-13	1.08E-13	1.08E-13		8.96E-13
1,2,3-trichlorobenzene	87-61-6	6.82E-01	3.18E-01	35.72	5.53E+00	2.61E+01	1.35E-09	9.28E-10	9.27E-10		3.20E-07
1,2,4-trichlorobenzene	120-82-1	7.14E-01	2.86E-01	35.19	5.53E+00	2.67E+01	2.99E-16	2.15E-16	2.14E-16		5.15E-14
1,2,4-trimethyl benzene	95-63-6	8.20E-01	1.80E-01	37.82	5.53E+00	3.20E+01	1.15E-08	9.50E-09	9.50E-09		1.18E-06
1,2-bis(ethylthio)-ethene	13105-10-7	8.60E-01	1.40E-01	32.51	5.53E+00	2.87E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	8.73E-01	1.27E-01	31.60	5.53E+00	2.83E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,2-dichlorobenzene	95-50-1	9.14E-01	8.64E-02	34.49	5.53E+00	3.20E+01	4.64E-16	4.26E-16	4.26E-16		3.40E-14
1,2-dichlorobutane	616-21-7	9.56E-01	4.40E-02	36.97	5.53E+00	3.56E+01	1.63E-06	1.57E-06	1.57E-06		4.04E-05
1,2-dichloroethane	107-06-2	9.87E-01	1.26E-02	40.00	5.53E+00	3.96E+01	5.46E-05	5.42E-05	5.42E-05		1.55E-04
1,2-dichloropropane	78-87-5	9.85E-01	1.47E-02	36.94	5.53E+00	3.65E+01	9.87E-10	9.78E-10	9.78E-10		6.77E-09
1,3-dichlorobenzene	541-73-1	8.28E-01	1.72E-01	34.42	5.53E+00	2.95E+01	4.49E-16	3.74E-16	3.74E-16		4.41E-14
1,4-dichlorobenzene	106-46-7	8.69E-01	1.31E-01	34.51	5.53E+00	3.07E+01	4.80E-16	4.19E-16	4.19E-16		4.14E-14
1,4-dioxane	123-91-1	9.96E-01	3.71E-03	21.31	5.53E+00	2.13E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,4-dithiane	505-29-3	9.91E-01	8.98E-03	13.92	5.53E+00	1.38E+01	1.49E-04	1.48E-04	1.48E-04		3.41E-04
1,4-oxathiane	15980-15-1	9.96E-01	4.36E-03	15.72	5.53E+00	1.57E+01	6.75E-05	6.76E-05	6.76E-05		2.14E-04
1-chlorobutane	109-69-3	9.62E-01	3.75E-02	42.70	5.53E+00	4.13E+01	5.78E-11	5.59E-11	5.59E-11		1.20E-09
1-hexene	592-41-6	8.75E-01	1.25E-01	44.54	5.53E+00	3.97E+01	2.08E-08	1.83E-08	1.83E-08		1.49E-06
2,2-dimethyl-trans-thiirane	3772-13-2	9.86E-01	1.41E-02	42.92	5.53E+00	4.24E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,3-dimethyl-thiophene	632-16-6	9.42E-01	5.80E-02	38.99	5.53E+00	3.71E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,4,6-trinitrotoluene	118-96-7	9.88E-01	1.24E-02	0.00	5.53E+00	6.99E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,4-dichlorophenol	120-83-2	9.63E-01	3.74E-02	0.76	5.53E+00	9.38E-01	1.64E-14	1.59E-14	1.59E-14		2.17E-13
2,4-dinitrotoluene	121-14-2	9.76E-01	2.42E-02	0.77	5.53E+00	8.84E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,6-dinitrotoluene	606-20-2	9.85E-01	1.51E-02	0.18	5.53E+00	2.61E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-butanone	78-93-3	9.96E-01	4.06E-03	34.63	5.53E+00	3.45E+01	2.87E-07	2.88E-07	2.88E-07		9.10E-07
2-chlorobutane	78-86-4	9.77E-01	2.31E-02	42.70	5.53E+00	4.18E+01	2.38E-07	2.33E-07	2.33E-07		2.90E-06
2-chloroethoxyethane	112-26-5	9.92E-01	7.92E-03	2.63	5.53E+00	2.65E+00	2.63E-04	2.62E-04	2.62E-04		5.06E-04
2-ethyl 1,3-butadiene	3404-63-5	9.25E-01	7.51E-02	44.81	5.53E+00	4.19E+01	4.37E-09	4.06E-09	4.06E-09		1.87E-07
2-hexanone	591-78-6	9.91E-01	8.98E-03	37.69	5.53E+00	3.74E+01	8.41E-08	8.38E-08	8.38E-08		1.93E-07
2-methyl phenol	95-48-7	9.77E-01	2.29E-02	4.53	5.53E+00	4.55E+00	2.34E-14	2.30E-14	2.30E-14		1.45E-13
2-methyl-1,3-dithiacyclopentane	5616-51-3	9.70E-01	3.05E-02	13.91	5.53E+00	1.37E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methyl-1,3-dithiane	6007-26-7	9.18E-01	8.25E-02	15.64	5.53E+00	1.48E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	9.96E-01	4.24E-03	15.72	5.53E+00	1.57E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methylnaphthalene	91-57-6	4.01E-01	5.99E-01	34.43	5.53E+00	1.71E+01	3.00E-15	1.21E-15	1.21E-15		2.26E-13
3-methyl phenol	108-39-4	9.77E-01	2.33E-02	3.42	5.53E+00	3.47E+00	1.77E-08	1.74E-08	1.74E-08		1.12E-07
4-methyl phenol	106-44-5	9.79E-01	2.09E-02	3.15	5.53E+00	3.20E+00	2.60E-09	2.56E-09	2.56E-09		1.48E-08
4-methyl-2-pentanone	108-10-1	9.93E-01	7.21E-03	32.52	5.53E+00	3.23E+01	4.12E-08	4.11E-08	4.11E-08		6.87E-08
acenaphthylene	208-96-8	3.59E-01	6.41E-01	30.35	5.53E+00	1.44E+01	1.10E-15	3.99E-16	3.97E-16		8.55E-14
acetaldehyde	75-07-0	9.96E-01	3.71E-03	46.19	5.53E+00	4.60E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
acetone	67-64-1	9.96E-01	3.71E-03	37.35	5.53E+00	3.72E+01	1.33E-06	1.33E-06	1.33E-06		4.20E-06
acetylene	74-86-2	9.96E-01	4.15E-03	75.02	5.53E+00	7.47E+01	4.51E-09	4.52E-09	4.52E-09		1.43E-08
acrolein	107-02-8	9.96E-01	3.83E-03	43.30	5.53E+00	4.32E+01	2.90E-08	2.91E-08	2.91E-08		9.20E-08
alpha-methylstyrene	98-83-9	8.57E-01	1.43E-01	38.06	5.53E+00	3.34E+01	1.33E-08	1.15E-08	1.15E-08		1.09E-06
benzene	71-43-2	9.82E-01	1.81E-02	41.05	5.53E+00	4.04E+01	9.71E-09	9.59E-09	9.59E-09		7.92E-08
bis(2-chloroisopropyl) ether	108-60-1	9.17E-01	8.29E-02	34.31	5.53E+00	3.19E+01	1.37E-15	1.26E-15	1.26E-15		2.53E-14
carbon disulfide	75-15-0	9.81E-01	1.91E-02	40.56	5.53E+00	3.99E+01	1.08E-07	1.06E-07	1.06E-07		1.05E-06
chlorobenzene	108-90-7	9.46E-01	5.42E-02	36.87	5.53E+00	3.52E+01	6.97E-15	6.63E-15	6.63E-15		1.90E-13
chloroethane	75-00-3	9.93E-01	7.27E-03	44.54	5.53E+00	4.43E+01	2.91E-07	2.91E-07	2.91E-07		6.95E-07
chloroform	67-66-3	9.84E-01	1.59E-02	40.49	5.53E+00	3.99E+01	3.44E-08	3.40E-08	3.40E-08		2.35E-07
chloromethane	74-87-3	9.95E-01	5.07E-03	30.39	5.53E+00	3.03E+01	6.98E-08	6.98E-08	6.98E-08		2.21E-07
chloromethoxyethane	3188-13-4	9.95E-01	5.07E-03	41.33	5.53E+00	4.11E+01	1.54E-05	1.54E-05	1.54E-05		4.87E-05
cis-1,2-dichloroethene	156-59-2	9.87E-01	1.26E-02	38.98	5.53E+00	3.86E+01	4.27E-13	4.24E-13	4.24E-13		2.45E-12
dichlorodifluoromethane	75-71-8	9.82E-01	1.80E-02	40.55	5.53E+00	3.99E+01	2.13E-12	2.10E-12	2.10E-12		1.93E-11
diethyl ether	60-29-7	9.95E-01	5.37E-03	35.58	5.53E+00	3.54E+01	3.40E-08	3.40E-08	3.40E-08		1.08E-07
diethyl phthalate	84-66-2	9.77E-01	2.28E-02	0.11	5.53E+00	2.32E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
di-n-butyl phthalate	84-74-2	7.25E-01	2.75E-01	4.72	5.53E+00	4.94E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
diphenylamine	122-39-4	6.01E-01	3.99E-01	7.83	5.53E+00	6.91E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethane	74-84-0	9.89E-01	1.13E-02	70.48	5.53E+00	6.97E+01	4.09E-07	4.06E-07	4.06E-07		2.01E-06
ethanol	64-17-5	9.96E-01	3.71E-03	18.66	5.53E+00	1.86E+01	8.61E-10	8.63E-10	8.63E-10		2.73E-09
ethene	74-85-1	9.94E-01	5.85E-03	72.54	5.53E+00	7.21E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethyl centralite	85-98-3	2.38E-01	7.62E-01	0.25	5.53E+00	4.27E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethylbenzene	100-41-4	9.50E-01	4.99E-02	34.31	5.53E+00	3.29E+01	1.58E-07	1.51E-07	1.51E-07		7.34E-06
HD	505-60-2	9.44E-01	5.64E-02	26.62	5.53E+00	2.54E+01	1.29E-07	1.22E-07	1.22E-07		1.75E-06
hexachlorobutadiene	87-68-3	3.56E-01	6.44E-01	29.13	5.53E+00	1.39E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
hexachloroethane	67-72-1	7.27E-01	2.73E-01	30.75	5.53E+00	2.39E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
hexane	110-54-3	7.38E-01	2.62E-01	43.99	5.53E+00	3.39E+01	2.39E-08	1.78E-08	1.78E-08		3.57E-06
methane	74-82-8	9.94E-01	5.67E-03	93.20	5.53E+00	9.27E+01	9.22E-08	9.22E-08	9.22E-08		1.27E-07
methyl tert-butyl ether	1634-04-4	9.94E-01	5.61E-03	42.90	5.53E+00	4.27E+01	7.06E-08	7.07E-08	7.07E-08		2.23E-07
methylene chloride	75-09-2	9.94E-01	5.96E-03	44.90	5.53E+00	4.47E+01	1.63E-07	1.63E-07	1.63E-07		3.27E-07
monoethanolamine	141-43-5	9.96E-01	3.60E-03	0.20	5.53E+00	2.15E-01	4.69E-07	4.70E-07	4.70E-07		1.49E-06
naphthalene	91-20-3	7.76E-01	2.24E-01	32.82	5.53E+00	2.67E+01	7.79E-10	6.08E-10	6.07E-10		4.21E-08
nitrobenzene	98-95-3	9.69E-01	3.12E-02	27.22	5.53E+00	2.65E+01	1.88E-16	1.83E-16	1.83E-16		9.72E-16
nitroglycerin	55-63-0	9.89E-01	1.08E-02	0.01	5.53E+00	6.82E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
octane	111-65-9	2.17E-01	7.83E-01	38.35	5.53E+00	1.27E+01	1.47E-07	3.21E-08	3.17E-08		6.35E-05
pentane	109-66-0	8.75E-01	1.25E-01	47.60	5.53E+00	4.24E+01	4.65E-08	4.09E-08	4.09E-08		3.33E-06
phenanthrene	85-01-8	1.38E-01	8.62E-01	4.80	5.53E+00	5.43E+00	1.55E-15	2.15E-16	2.11E-16		2.17E-13
phenol	108-95-2	9.89E-01	1.07E-02	1.77	5.53E+00	1.81E+00	3.67E-14	3.65E-14	3.65E-14		1.04E-13
propene	115-07-1	9.89E-01	1.07E-02	60.60	5.53E+00	6.00E+01	4.14E-08	4.12E-08	4.12E-08		1.90E-07
styrene	100-42-5	8.18E-01	1.82E-01	34.81	5.53E+00	2.95E+01	7.94E-14	6.53E-14	6.53E-14		2.66E-12
tert-butyl alcohol	75-65-0	9.96E-01	4.12E-03	24.35	5.53E+00	2.43E+01	6.91E-08	6.93E-08	6.93E-08		2.19E-07
tetracene	92-24-0	1.20E-02	9.88E-01	1.17	5.53E+00	5.48E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
tetrachloroethene	127-18-4	9.37E-01	6.30E-02	35.50	5.53E+00	3.36E+01	4.69E-07	4.42E-07	4.42E-07		3.66E-05
tetryl	479-45-8	9.87E-01	1.33E-02	0.01	5.53E+00	8.14E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
thiirane	420-12-2	9.95E-01	5.07E-03	50.34	5.53E+00	5.01E+01	3.24E-08	3.24E-08	3.24E-08		1.02E-07
thiodiglycol	111-48-8	9.96E-01	3.65E-03	0.01	5.53E+00	2.83E-02	7.29E-05	7.30E-05	7.30E-05		2.31E-04
toluene	108-88-3	9.64E-01	3.59E-02	36.63	5.53E+00	3.55E+01	1.94E-07	1.88E-07	1.88E-07		4.50E-06
trans-1,2-dichloroethene	156-60-5	9.87E-01	1.26E-02	45.54	5.53E+00	4.50E+01	1.40E-13	1.39E-13	1.39E-13		1.15E-12
trichloroethene	79-01-6	9.74E-01	2.55E-02	38.06	5.53E+00	3.72E+01	1.82E-07	1.79E-07	1.79E-07		2.52E-06
vinyl chloride	75-01-4	9.93E-01	7.27E-03	46.60	5.53E+00	4.63E+01	1.76E-05	1.76E-05	1.76E-05		4.21E-05
xylenes	1330-20-7	9.13E-01	8.68E-02	39.99	5.53E+00	3.70E+01	4.25E-07	3.90E-07	3.90E-07		2.11E-05
aluminum	7429-90-5	9.41E-01	5.93E-02	73.82	5.53E+00	6.98E+01	4.53E-10	4.28E-10	4.28E-10		1.35E-09
ammonia	7664-41-7	9.96E-01	4.02E-03	59.52	5.53E+00	5.93E+01	1.53E-04	1.54E-04	1.54E-04		4.86E-04
arsenic	7440-38-2	8.49E-01	1.51E-01	39.39	5.53E+00	3.43E+01	1.97E-11	1.68E-11	1.68E-11		1.92E-09
cadmium	7440-43-9	6.88E-01	3.12E-01	39.36	5.53E+00	2.88E+01	1.18E-11	8.18E-12	8.18E-12		7.41E-09
chlorine	7782-50-5	9.95E-01	5.07E-03	40.00	5.53E+00	3.98E+01	1.22E-05	1.22E-05	1.22E-05		3.85E-05
copper	7440-50-8	2.80E-01	7.20E-01	50.17	5.53E+00	1.80E+01	4.20E-10	1.18E-10	1.18E-10		3.73E-10
hydrogen chloride	7647-01-0	9.96E-01	4.35E-03	39.71	5.53E+00	3.96E+01	1.36E-05	1.36E-05	1.36E-05		4.30E-05
hydrogen cyanide	74-90-8	9.96E-01	3.72E-03	69.34	5.53E+00	6.91E+01	1.17E-09	1.17E-09	1.17E-09		3.71E-09
lead	7439-92-1	1.57E-01	8.43E-01	39.03	5.53E+00	1.08E+01	2.58E-10	4.08E-11	4.05E-11		3.64E-12
nickel	7440-02-0	7.18E-01	2.82E-01	39.36	5.53E+00	2.98E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
silver	7440-22-4	9.49E-01	5.07E-02	39.38	5.53E+00	3.77E+01	4.06E-13	3.88E-13	3.88E-13		3.40E-11

CONCENTRATIONS OF COPCS IN SURFACE WATER AND FISH FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS:
Infant Exposure Scenarios

		Diffusive Mass Transfer Coefficient			Erosion Loading Supporting Calculation		Contaminant Load To The Waterbody					
COPC	CAS Number	Liquid Phase Transfer Coefficient (m/yr) K_L	Gas Phase Transfer Coefficient (m/yr) K_G	Overall Transfer Rate (m/yr) K_v	Unit Soil Loss (kg/m^2-yr) X_a	Watershed Sediment Delivery Ratio (dimensionless) SD	Due to Direct Deposition (g/yr) L_{Dep}	Due to Impervious Runoff (g/yr) L_{RI}	Due to Pervious Runoff (g/yr) L_{R}	Due to Erosion (g/yr) L_{E}	Due to Diffusion (g/yr) L_{Dif}	Due to All Processes (g/yr) L_T
1,1,1,2-tetrachloroethane	630-20-6	153.29	454922.32	173.69	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	164.78	484504.19	187.25	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	153.29	454922.32	170.15	0.39	0.18	1.30E-01	6.35E+00	2.59E-01	7.91E-04	1.54E-02	6.76E+00
1,1-dichloroethane	75-34-3	185.48	468559.52	210.51	0.39	0.18	1.90E-02	9.31E-01	1.17E-03	1.13E-06	1.60E-04	9.51E-01
1,1-dichloroethene	75-35-4	184.29	533257.08	209.46	0.39	0.18	3.98E-08	1.95E-06	6.67E-10	1.28E-12	6.11E-11	1.99E-06
1,2,3-trichlorobenzene	87-61-6	179.51	26157.37	179.94	0.39	0.18	1.22E-04	5.95E-03	7.43E-03	2.30E-03	4.14E-06	1.58E-02
1,2,4-trichlorobenzene	120-82-1	157.55	255426.17	177.21	0.39	0.18	6.90E-11	3.38E-09	1.31E-10	7.55E-12	1.66E-12	3.58E-09
1,2,4-trimethyl benzene	95-63-6	167.65	484504.19	190.35	0.39	0.18	3.28E-03	1.60E-01	5.89E-04	8.48E-05	1.00E-05	1.64E-01
1,2-bis(ethylthio)-ethene	13105-10-7	152.64	441952.02	163.60	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	153.55	441952.02	158.99	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	153.29	446296.05	173.51	0.39	0.18	1.33E-10	6.51E-09	8.11E-11	4.93E-12	2.31E-12	6.73E-09
1,2-dichlorobutane	616-21-7	163.65	471938.27	185.98	0.39	0.18	5.22E-01	2.56E+01	2.49E-02	7.06E-04	1.07E-03	2.61E+01
1,2-dichloroethane	107-06-2	178.31	587498.13	201.20	0.39	0.18	1.91E+01	9.37E+02	3.23E+00	1.82E-03	7.52E-01	9.60E+02
1,2-dichloropropane	78-87-5	163.90	485336.19	185.79	0.39	0.18	3.23E-04	1.58E-02	4.89E-05	7.06E-08	5.07E-06	1.62E-02
1,3-dichlorobenzene	541-73-1	152.77	447162.36	173.22	0.39	0.18	1.19E-10	5.81E-09	4.51E-11	6.15E-12	1.26E-12	5.98E-09
1,4-dichlorobenzene	106-46-7	153.29	446296.05	173.67	0.39	0.18	1.32E-10	6.48E-09	5.95E-11	1.15E-12	1.82E-12	6.67E-09
1,4-dioxane	123-91-1	181.91	996974.21	107.19	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	167.65	484504.19	70.00	0.39	0.18	6.24E+00	3.06E+02	8.35E+02	3.08E+00	2.10E+01	1.17E+03
1,4-oxathiane	15980-15-1	178.79	517259.07	79.07	0.39	0.18	6.74E+00	3.30E+02	2.19E+02	1.06E-01	2.34E+01	5.80E+02
1-chlorobutane	109-69-3	189.01	545101.94	214.79	0.39	0.18	2.10E-05	1.03E-03	1.02E-06	2.42E-08	6.34E-08	1.05E-03
1-hexene	592-41-6	197.13	568420.50	224.12	0.39	0.18	7.22E-03	3.53E-01	1.42E-05	1.32E-06	9.27E-07	3.60E-01
2,2-dimethyl-trans-thiirane	3772-13-2	192.51	556821.35	215.89	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	172.96	501013.51	196.18	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	179.51	26157.37	0.01	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	179.51	26157.37	3.82	0.39	0.18	2.46E-11	1.20E-09	4.68E-08	2.18E-10	5.59E-12	4.82E-08
2,4-dinitrotoluene	121-14-2	142.17	919637.13	3.87	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	179.51	26157.37	0.90	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	177.10	496089.19	174.20	0.39	0.18	7.20E-02	3.52E+00	8.58E-01	3.99E-03	5.07E-02	4.51E+00
2-chlorobutane	78-86-4	189.01	545101.94	214.82	0.39	0.18	8.75E-02	4.28E+00	2.77E-03	3.73E-05	1.84E-04	4.37E+00
2-chloroethoxyethane	112-26-5	137.68	397274.70	13.21	0.39	0.18	9.72E-01	4.76E+01	9.07E+02	2.62E+00	3.89E+00	9.62E+02
2-ethyl 1,3-butadiene	3404-63-5	198.28	576088.85	225.43	0.39	0.18	1.60E-03	7.82E-02	5.10E-06	2.64E-07	3.32E-07	7.98E-02
2-hexanone	591-78-6	181.91	525288.08	189.59	0.39	0.18	2.48E-02	1.21E+00	1.62E-01	5.98E-04	7.52E-03	1.41E+00
2-methyl phenol	95-48-7	158.44	467712.96	22.80	0.39	0.18	6.28E-10	3.07E-08	6.69E-08	8.91E-10	2.27E-09	1.01E-07
2-methyl-1,3-dithiacyclopentane	5616-51-3	167.65	484504.19	70.00	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	159.59	459205.33	78.71	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	178.79	517259.07	79.07	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	155.56	449500.91	174.02	0.39	0.18	4.14E-10	2.03E-08	9.42E-10	9.42E-10	2.65E-11	2.26E-08
3-methyl phenol	108-39-4	179.51	467712.96	17.22	0.39	0.18	1.79E-04	8.75E-03	5.90E-02	8.04E-04	8.42E-04	6.96E-02
4-methyl phenol	106-44-5	179.51	467712.96	15.85	0.39	0.18	1.79E-04	8.75E-03	1.67E-04	3.22E-05	8.48E-04	9.98E-03
4-methyl-2-pentanone	108-10-1	151.98	471938.27	163.59	0.39	0.18	1.08E-02	5.27E-01	6.93E-02	2.45E-03	2.97E-03	6.12E-01
acenaphthylene	208-96-8	148.04	329442.88	153.52	0.39	0.18	1.09E-10	5.33E-09	7.32E-10	8.77E-10	2.80E-11	7.08E-09
acetaldehyde	75-07-0	225.98	660977.51	232.31	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	195.98	660977.51	187.89	0.39	0.18	3.85E-01	1.88E+01	2.56E+00	3.58E-03	3.71E-01	2.22E+01
acetylene	74-86-2	332.05	959487.73	377.37	0.39	0.18	2.79E-03	1.36E-01	7.37E-06	2.78E-09	9.23E-06	1.39E-01
acrolein	107-02-8	205.09	591277.00	217.79	0.39	0.18	1.02E-02	5.00E-01	3.77E-02	9.07E-05	1.83E-03	5.50E-01
alpha-methylstyrene	98-83-9	169.02	488657.20	191.53	0.39	0.18	3.93E-03	1.92E-01	1.68E-03	1.84E-04	2.92E-05	1.98E-01
benzene	71-43-2	181.91	525288.08	206.51	0.39	0.18	3.47E-03	1.70E-01	2.74E-04	5.28E-07	3.02E-05	1.74E-01
bis(2-chloroisopropyl) ether	108-60-1	179.51	26157.37	172.64	0.39	0.18	1.42E-10	6.95E-09	1.20E-08	6.97E-10	5.07E-12	1.98E-08
carbon disulfide	75-15-0	179.51	587498.13	204.04	0.39	0.18	3.81E-02	1.86E+00	4.35E-04	6.35E-07	2.56E-05	1.90E+00
chlorobenzene	108-90-7	163.52	463468.76	185.48	0.39	0.18	2.19E-09	1.07E-07	5.16E-10	3.64E-12	2.10E-11	1.10E-07
chloroethane	75-00-3	197.13	1116049.81	224.02	0.39	0.18	1.13E-01	5.52E+00	8.04E-04	4.13E-07	2.83E-04	5.63E+00
chloroform	67-66-3	179.51	587498.13	203.68	0.39	0.18	1.22E-02	5.95E-01	9.84E-04	1.26E-06	1.25E-04	6.08E-01
chloromethane	74-87-3	134.51	668101.45	152.84	0.39	0.18	1.97E-02	9.62E-01	4.58E-04	4.41E-07	6.14E-05	9.83E-01
chloromethoxyethane	3188-13-4	186.66	541167.86	207.87	0.39	0.18	5.52E+00	2.70E+02	3.80E+00	3.66E-03	6.74E-01	2.80E+02
cis-1,2-dichloroethene	156-59-2	179.51	26157.37	196.07	0.39	0.18	1.29E-07	6.30E-06	9.03E-07	1.03E-09	1.17E-09	7.34E-06
dichlorodifluoromethane	75-71-8	179.51	26157.37	203.99	0.39	0.18	7.51E-07	3.67E-05	1.49E-07	1.48E-09	8.51E-11	3.76E-05
diethyl ether	60-29-7	162.26	485336.19	178.96	0.39	0.18	1.06E-02	5.17E-01	1.57E-02	2.02E-05	1.69E-03	5.45E-01
diethyl phthalate	84-66-2	179.51	26157.37	0.55	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	152.77	329140.86	23.78	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	143.92	415884.29	39.47	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	311.82	898267.57	354.52	0.39	0.18	2.37E-01	1.16E+01	1.43E-04	7.33E-07	2.97E-05	1.18E+01
ethanol	64-17-5	214.01	657401.33	93.87	0.39	0.18	1.44E-04	7.04E-03	6.49E-04	5.16E-08	5.15E-04	8.35E-03
ethene	74-85-1	320.92	928720.84	364.86	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	117.14	338482.71	1.28	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	151.98	471938.27	172.62	0.39	0.18	4.72E-02	2.31E+00	5.92E-03	6.93E-05	1.02E-04	2.36E+00
HD	505-60-2	147.91	428791.43	133.93	0.39	0.18	3.10E-02	1.52E+00	2.46E-03	9.25E-05	1.25E-02	1.56E+00
hexachlorobutadiene	87-68-3	129.75	388507.38	147.37	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	138.64	48329.68	154.83	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	194.83	560700.85	221.51	0.39	0.18	7.08E-03	3.46E-01	3.53E-06	8.32E-07	8.60E-08	3.54E-01
methane	74-82-8	412.36	1192048.29	468.82	0.39	0.18	6.95E-02	3.40E+00	1.15E-05	1.61E-08	9.43E-06	3.47E+00
methyl tert-butyl ether	1634-04-4	192.51	556821.35	215.77	0.39	0.18	2.62E-02	1.28E+00	1.53E-02	1.97E-05	9.51E-04	1.33E+00
methylene chloride	75-09-2	199.42	576088.85	225.86	0.39	0.18	6.38E-02	3.12E+00	3.60E-03	1.39E-06	1.45E-03	3.19E+00
monoethanolamine	141-43-5	226.89	655628.01	0.99	0.39	0.18	9.54E-03	4.67E-01	7.58E-01	6.27E-06	5.52E-02	1.29E+00
naphthalene	91-20-3	148.04	401850.95	165.21	0.39	0.18	1.63E-04	7.98E-03	2.25E-04	1.08E-03	1.33E-05	9.47E-03
nitrobenzene	98-95-3	162.26	476145.03	136.94	0.39	0.18	2.59E-11	1.27E-09	1.03E-09	1.97E-11	2.81E-11	2.37E-09
nitroglycerin	55-63-0	126.21	364690.08	0.04	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	171.61	496911.58	195.11	0.39	0.18	1.57E-02	7.70E-01	5.31E-06	1.29E-05	9.44E-08	7.86E-01
pentane	109-66-0	210.69	609996.37	239.54	0.39	0.18	1.70E-02	8.34E-01	1.07E-05	9.89E-07	3.22E-07	8.51E-01
phenanthrene	85-01-8	179.51	26157.37	24.60	0.39	0.18	3.84E-11	1.88E-09	3.01E-11	1.79E-09	7.82E-12	3.74E-09
phenol	108-95-2	168.52	501013.51	8.89	0.39	0.18	1.31E-09	6.39E-08	4.82E-08	3.40E-09	5.53E-09	1.22E-07
propene	115-07-1	268.13	774188.86	304.83	0.39	0.18	2.10E-02	1.03E+00	4.15E-05	2.00E-07	3.22E-06	1.05E+00
styrene	100-42-5	154.58	454922.32	175.21	0.39	0.18	2.07E-08	1.01E-06	8.04E-09	1.55E-08	2.56E-10	1.06E-06
tert-butyl alcohol	75-65-0	208.46	602543.03	122.50	0.39	0.18	1.30E-02	6.35E-01	1.52E-01	4.88E-05	1.73E-02	8.18E-01
tetracene	92-24-0	125.91	363832.58	7.91	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	157.16	459205.33	178.60	0.39	0.18	1.42E-01	6.97E+00	6.32E-03	3.15E-05	3.09E-04	7.12E+00
tetryl	479-45-8	113.65	328400.49	0.04	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	228.12	660977.51	253.19	0.39	0.18	1.38E-02	6.74E-01	8.19E-03	7.88E-06	2.37E-03	6.98E-01
thiodiglycol	111-48-8	166.40	480333.57	0.04	0.39	0.18	4.27E-02	2.09E+00	1.93E+02	6.19E-03	2.16E-01	1.95E+02
toluene	108-88-3	162.26	521281.19	184.27	0.39	0.18	6.20E-02	3.03E+00	6.92E-03	3.99E-05	1.72E-04	3.10E+00
trans-1,2-dichloroethene	156-60-5	201.70	451912.36	229.06	0.39	0.18	5.51E-08	2.70E-06	2.96E-09	4.75E-12	2.56E-10	2.75E-06
trichloroethene	79-01-6	168.52	488657.20	191.44	0.39	0.18	6.06E-02	2.97E+00	4.52E-03	2.39E-05	2.32E-04	3.03E+00
vinyl chloride	75-01-4	206.22	595044.00	234.39	0.39	0.18	7.10E+00	3.48E+02	4.70E-02	2.79E-05	6.73E-03	3.55E+02
xylenes	1330-20-7	177.22	513221.49	201.23	0.39	0.18	1.39E-01	6.81E+00	2.09E-02	1.28E-03	4.17E-04	6.97E+00
aluminum	7429-90-5	326.72	944096.93	371.33	0.39	0.18	2.61E-04	1.28E-02	2.54E-06	4.03E-07	0.00E+00	1.31E-02
ammonia	7664-41-7	401.91	1159889.25	299.40	0.39	0.18	6.85E+01	3.35E+03	1.37E+02	3.73E-02	2.83E+02	3.84E+03
arsenic	7440-38-2	174.30	481169.11	198.17	0.39	0.18	6.00E-06	2.94E-04	5.12E-09	2.38E-09	0.00E+00	3.00E-04
cadmium	7440-43-9	174.30	482421.10	198.12	0.39	0.18	3.01E-06	1.47E-04	6.36E-08	7.65E-08	0.00E+00	1.50E-04
chlorine	7782-50-5	179.51	26157.37	201.21	0.39	0.18	3.93E+00	1.92E+02	1.92E+01	7.71E-02	6.66E-03	2.15E+02
copper	7440-50-8	222.99	644347.48	253.43	0.39	0.18	6.34E-05	3.10E-03	1.10E-06	7.61E-06	0.00E+00	3.17E-03
hydrogen chloride	7647-01-0	179.51	26157.37	199.76	0.39	0.18	4.58E+00	2.24E+02	1.01E+01	5.19E-03	1.17E-02	2.39E+02
hydrogen cyanide	74-90-8	326.32	940764.84	348.77	0.39	0.18	6.65E-04	3.26E-02	8.06E-05	7.35E-09	3.33E-04	3.36E-02
lead	7439-92-1	174.30	481169.11	198.10	0.39	0.18	2.30E-05	1.13E-03	6.06E-07	8.76E-06	0.00E+00	1.16E-03
nickel	7440-02-0	174.30	481169.11	198.10	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	174.30	481169.11	198.10	0.39	0.18	1.36E-07	6.67E-06	3.61E-09	4.81E-10	0.00E+00	6.81E-06

CONCENTRATIONS OF COPCS IN SURFACE WATER AND FISH FOR EACH EXPOSURE SCENARIO

CARCINOGENIC EFFECTS: Infant Exposure Scenarios											
		Waterbody Dissipation Rate Constant					Concentration in Water				Concentration in Fish
COPC	CAS Number	Fraction in Water Column (dimensionless) f_{wc}	Fraction in Benthic Sediment (dimensionless) f_{bs}	Water Column Volatilization Rate Constant (yr^{-1}) k_v	Benthic Burial Rate Constant (yr^{-1}) k_b	Overall Total Waterbody Dissipation Rate Constant (yr^{-1}) k_{ov}	Total Waterbody Concentration Including Water Column and Bed Sediment (mg/ℓ) C_{wbtot}	Total Concentration in Water Column (mg/ℓ) C_{wctot}	Dissolved Phase Water Concentration (mg/ℓ) C_{dw}	Concentration Sorbed to Bed Sediment (mg/kg) C_{sb}	Fish Concentration (mg/kg) C_{fish}
1,1,1,2-tetrachloroethane	630-20-6	9.30E-01	7.04E-02	34.52	5.53E+00	3.25E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,1,1-trichloroethane	71-55-6	9.65E-01	3.47E-02	37.22	5.53E+00	3.61E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	9.78E-01	2.21E-02	33.83	5.53E+00	3.32E+01	4.46E-07	4.39E-07	4.39E-07		6.19E-06
1,1-dichloroethane	75-34-3	9.84E-01	1.62E-02	41.85	5.53E+00	4.13E+01	5.23E-08	5.17E-08	5.17E-08		2.51E-07
1,1-dichloroethene	75-35-4	9.81E-01	1.88E-02	41.64	5.53E+00	4.10E+01	1.10E-13	1.08E-13	1.08E-13		8.96E-13
1,2,3-trichlorobenzene	87-61-6	6.82E-01	3.18E-01	35.72	5.53E+00	2.61E+01	1.35E-09	9.28E-10	9.27E-10		3.20E-07
1,2,4-trichlorobenzene	120-82-1	7.14E-01	2.86E-01	35.19	5.53E+00	2.67E+01	2.99E-16	2.15E-16	2.14E-16		5.15E-14
1,2,4-trimethyl benzene	95-63-6	8.20E-01	1.80E-01	37.82	5.53E+00	3.20E+01	1.15E-08	9.50E-09	9.50E-09		1.18E-06
1,2-bis(ethylthio)-ethene	13105-10-7	8.60E-01	1.40E-01	32.51	5.53E+00	2.87E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	8.73E-01	1.27E-01	31.60	5.53E+00	2.83E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,2-dichlorobenzene	95-50-1	9.14E-01	8.64E-02	34.49	5.53E+00	3.20E+01	4.64E-16	4.26E-16	4.26E-16		3.40E-14
1,2-dichlorobutane	616-21-7	9.56E-01	4.40E-02	36.97	5.53E+00	3.56E+01	1.63E-06	1.57E-06	1.57E-06		4.04E-05
1,2-dichloroethane	107-06-2	9.87E-01	1.26E-02	40.00	5.53E+00	3.96E+01	5.46E-05	5.42E-05	5.42E-05		1.55E-04
1,2-dichloropropane	78-87-5	9.85E-01	1.47E-02	36.94	5.53E+00	3.65E+01	9.87E-10	9.78E-10	9.78E-10		6.77E-09
1,3-dichlorobenzene	541-73-1	8.28E-01	1.72E-01	34.42	5.53E+00	2.95E+01	4.49E-16	3.74E-16	3.74E-16		4.41E-14
1,4-dichlorobenzene	106-46-7	8.69E-01	1.31E-01	34.51	5.53E+00	3.07E+01	4.80E-16	4.19E-16	4.19E-16		4.14E-14
1,4-dioxane	123-91-1	9.96E-01	3.71E-03	21.31	5.53E+00	2.13E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,4-dithiane	505-29-3	9.91E-01	8.98E-03	13.92	5.53E+00	1.38E+01	1.49E-04	1.48E-04	1.48E-04		3.41E-04
1,4-oxathiane	15980-15-1	9.96E-01	4.36E-03	15.72	5.53E+00	1.57E+01	6.75E-05	6.76E-05	6.76E-05		2.14E-04
1-chlorobutane	109-69-3	9.62E-01	3.75E-02	42.70	5.53E+00	4.13E+01	5.78E-11	5.59E-11	5.59E-11		1.20E-09
1-hexene	592-41-6	8.75E-01	1.25E-01	44.54	5.53E+00	3.97E+01	2.08E-08	1.83E-08	1.83E-08		1.49E-06
2,2-dimethyl-trans-thiirane	3772-13-2	9.86E-01	1.41E-02	42.92	5.53E+00	4.24E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,3-dimethyl-thiophene	632-16-6	9.42E-01	5.80E-02	38.99	5.53E+00	3.71E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,4,6-trinitrotoluene	118-96-7	9.88E-01	1.24E-02	0.00	5.53E+00	6.99E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,4-dichlorophenol	120-83-2	9.63E-01	3.74E-02	0.76	5.53E+00	9.38E-01	1.64E-14	1.59E-14	1.59E-14		2.17E-13
2,4-dinitrotoluene	121-14-2	9.76E-01	2.42E-02	0.77	5.53E+00	8.84E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,6-dinitrotoluene	606-20-2	9.85E-01	1.51E-02	0.18	5.53E+00	2.61E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-butanone	78-93-3	9.96E-01	4.06E-03	34.63	5.53E+00	3.45E+01	2.87E-07	2.88E-07	2.88E-07		9.10E-07
2-chlorobutane	78-86-4	9.77E-01	2.31E-02	42.70	5.53E+00	4.18E+01	2.38E-07	2.33E-07	2.33E-07		2.90E-06
2-chloroethoxyethane	112-26-5	9.92E-01	7.92E-03	2.63	5.53E+00	2.65E+00	2.63E-04	2.62E-04	2.62E-04		5.06E-04
2-ethyl 1,3-butadiene	3404-63-5	9.25E-01	7.51E-02	44.81	5.53E+00	4.19E+01	4.37E-09	4.06E-09	4.06E-09		1.87E-07
2-hexanone	591-78-6	9.91E-01	8.98E-03	37.69	5.53E+00	3.74E+01	8.41E-08	8.38E-08	8.38E-08		1.93E-07
2-methyl phenol	95-48-7	9.77E-01	2.29E-02	4.53	5.53E+00	4.55E+00	2.34E-14	2.30E-14	2.30E-14		1.45E-13
2-methyl-1,3-dithiacyclopentane	5616-51-3	9.70E-01	3.05E-02	13.91	5.53E+00	1.37E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methyl-1,3-dithiane	6007-26-7	9.18E-01	8.25E-02	15.64	5.53E+00	1.48E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	9.96E-01	4.24E-03	15.72	5.53E+00	1.57E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methylnaphthalene	91-57-6	4.01E-01	5.99E-01	34.43	5.53E+00	1.71E+01	3.00E-15	1.21E-15	1.21E-15		2.26E-13
3-methyl phenol	108-39-4	9.77E-01	2.33E-02	3.42	5.53E+00	3.47E+00	1.77E-08	1.74E-08	1.74E-08		1.12E-07
4-methyl phenol	106-44-5	9.79E-01	2.09E-02	3.15	5.53E+00	3.20E+00	2.60E-09	2.56E-09	2.56E-09		1.48E-08
4-methyl-2-pentanone	108-10-1	9.93E-01	7.21E-03	32.52	5.53E+00	3.23E+01	4.12E-08	4.11E-08	4.11E-08		6.87E-08
acenaphthylene	208-96-8	3.59E-01	6.41E-01	30.35	5.53E+00	1.44E+01	1.10E-15	3.99E-16	3.97E-16		8.55E-14
acetaldehyde	75-07-0	9.96E-01	3.71E-03	46.19	5.53E+00	4.60E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
acetone	67-64-1	9.96E-01	3.71E-03	37.35	5.53E+00	3.72E+01	1.33E-06	1.33E-06	1.33E-06		4.20E-06
acetylene	74-86-2	9.96E-01	4.15E-03	75.02	5.53E+00	7.47E+01	4.51E-09	4.52E-09	4.52E-09		1.43E-08
acrolein	107-02-8	9.96E-01	3.83E-03	43.30	5.53E+00	4.32E+01	2.90E-08	2.91E-08	2.91E-08		9.20E-08
alpha-methylstyrene	98-83-9	8.57E-01	1.43E-01	38.06	5.53E+00	3.34E+01	1.33E-08	1.15E-08	1.15E-08		1.09E-06
benzene	71-43-2	9.82E-01	1.81E-02	41.05	5.53E+00	4.04E+01	9.71E-09	9.59E-09	9.59E-09		7.92E-08
bis(2-chloroisopropyl) ether	108-60-1	9.17E-01	8.29E-02	34.31	5.53E+00	3.19E+01	1.37E-15	1.26E-15	1.26E-15		2.53E-14
carbon disulfide	75-15-0	9.81E-01	1.91E-02	40.56	5.53E+00	3.99E+01	1.08E-07	1.06E-07	1.06E-07		1.05E-06
chlorobenzene	108-90-7	9.46E-01	5.42E-02	36.87	5.53E+00	3.52E+01	6.97E-15	6.63E-15	6.63E-15		1.90E-13
chloroethane	75-00-3	9.93E-01	7.27E-03	44.54	5.53E+00	4.43E+01	2.91E-07	2.91E-07	2.91E-07		6.95E-07
chloroform	67-66-3	9.84E-01	1.59E-02	40.49	5.53E+00	3.99E+01	3.44E-08	3.40E-08	3.40E-08		2.35E-07
chloromethane	74-87-3	9.95E-01	5.07E-03	30.39	5.53E+00	3.03E+01	6.98E-08	6.98E-08	6.98E-08		2.21E-07
chloromethoxyethane	3188-13-4	9.95E-01	5.07E-03	41.33	5.53E+00	4.11E+01	1.54E-05	1.54E-05	1.54E-05		4.87E-05
cis-1,2-dichloroethene	156-59-2	9.87E-01	1.26E-02	38.98	5.53E+00	3.86E+01	4.27E-13	4.24E-13	4.24E-13		2.45E-12
dichlorodifluoromethane	75-71-8	9.82E-01	1.80E-02	40.55	5.53E+00	3.99E+01	2.13E-12	2.10E-12	2.10E-12		1.93E-11
diethyl ether	60-29-7	9.95E-01	5.37E-03	35.58	5.53E+00	3.54E+01	3.40E-08	3.40E-08	3.40E-08		1.08E-07
diethyl phthalate	84-66-2	9.77E-01	2.28E-02	0.11	5.53E+00	2.32E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
di-n-butyl phthalate	84-74-2	7.25E-01	2.75E-01	4.72	5.53E+00	4.94E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
diphenylamine	122-39-4	6.01E-01	3.99E-01	7.83	5.53E+00	6.91E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethane	74-84-0	9.89E-01	1.13E-02	70.48	5.53E+00	6.97E+01	4.09E-07	4.06E-07	4.06E-07		2.01E-06
ethanol	64-17-5	9.96E-01	3.71E-03	18.66	5.53E+00	1.86E+01	8.61E-10	8.63E-10	8.63E-10		2.73E-09
ethene	74-85-1	9.94E-01	5.85E-03	72.54	5.53E+00	7.21E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethyl centralite	85-98-3	2.38E-01	7.62E-01	0.25	5.53E+00	4.27E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethylbenzene	100-41-4	9.50E-01	4.99E-02	34.31	5.53E+00	3.29E+01	1.58E-07	1.51E-07	1.51E-07		7.34E-06
HD	505-60-2	9.44E-01	5.64E-02	26.62	5.53E+00	2.54E+01	1.29E-07	1.22E-07	1.22E-07		1.75E-06
hexachlorobutadiene	87-68-3	3.56E-01	6.44E-01	29.13	5.53E+00	1.39E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
hexachloroethane	67-72-1	7.27E-01	2.73E-01	30.75	5.53E+00	2.39E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
hexane	110-54-3	7.38E-01	2.62E-01	43.99	5.53E+00	3.39E+01	2.39E-08	1.78E-08	1.78E-08		3.57E-06
methane	74-82-8	9.94E-01	5.67E-03	93.20	5.53E+00	9.27E+01	9.22E-08	9.22E-08	9.22E-08		1.27E-07
methyl tert-butyl ether	1634-04-4	9.94E-01	5.61E-03	42.90	5.53E+00	4.27E+01	7.06E-08	7.07E-08	7.07E-08		2.23E-07
methylene chloride	75-09-2	9.94E-01	5.96E-03	44.90	5.53E+00	4.47E+01	1.63E-07	1.63E-07	1.63E-07		3.27E-07
monoethanolamine	141-43-5	9.96E-01	3.60E-03	0.20	5.53E+00	2.15E-01	4.69E-07	4.70E-07	4.70E-07		1.49E-06
naphthalene	91-20-3	7.76E-01	2.24E-01	32.82	5.53E+00	2.67E+01	7.79E-10	6.08E-10	6.07E-10		4.21E-08
nitrobenzene	98-95-3	9.69E-01	3.12E-02	27.22	5.53E+00	2.65E+01	1.88E-16	1.83E-16	1.83E-16		9.72E-16
nitroglycerin	55-63-0	9.89E-01	1.08E-02	0.01	5.53E+00	6.82E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
octane	111-65-9	2.17E-01	7.83E-01	38.35	5.53E+00	1.27E+01	1.47E-07	3.21E-08	3.17E-08		6.35E-05
pentane	109-66-0	8.75E-01	1.25E-01	47.60	5.53E+00	4.24E+01	4.65E-08	4.09E-08	4.09E-08		3.33E-06
phenanthrene	85-01-8	1.38E-01	8.62E-01	4.80	5.53E+00	5.43E+00	1.55E-15	2.15E-16	2.11E-16		2.17E-13
phenol	108-95-2	9.89E-01	1.07E-02	1.77	5.53E+00	1.81E+00	3.67E-14	3.65E-14	3.65E-14		1.04E-13
propene	115-07-1	9.89E-01	1.07E-02	60.60	5.53E+00	6.00E+01	4.14E-08	4.12E-08	4.12E-08		1.90E-07
styrene	100-42-5	8.18E-01	1.82E-01	34.81	5.53E+00	2.95E+01	7.94E-14	6.53E-14	6.53E-14		2.66E-12
tert-butyl alcohol	75-65-0	9.96E-01	4.12E-03	24.35	5.53E+00	2.43E+01	6.91E-08	6.93E-08	6.93E-08		2.19E-07
tetracene	92-24-0	1.20E-02	9.88E-01	1.17	5.53E+00	5.48E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
tetrachloroethene	127-18-4	9.37E-01	6.30E-02	35.50	5.53E+00	3.36E+01	4.69E-07	4.42E-07	4.42E-07		3.66E-05
tetryl	479-45-8	9.87E-01	1.33E-02	0.01	5.53E+00	8.14E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
thiirane	420-12-2	9.95E-01	5.07E-03	50.34	5.53E+00	5.01E+01	3.24E-08	3.24E-08	3.24E-08		1.02E-07
thiodiglycol	111-48-8	9.96E-01	3.65E-03	0.01	5.53E+00	2.83E-02	7.29E-05	7.30E-05	7.30E-05		2.31E-04
toluene	108-88-3	9.64E-01	3.59E-02	36.63	5.53E+00	3.55E+01	1.94E-07	1.88E-07	1.88E-07		4.50E-06
trans-1,2-dichloroethene	156-60-5	9.87E-01	1.26E-02	45.54	5.53E+00	4.50E+01	1.40E-13	1.39E-13	1.39E-13		1.15E-12
trichloroethene	79-01-6	9.74E-01	2.55E-02	38.06	5.53E+00	3.72E+01	1.82E-07	1.79E-07	1.79E-07		2.52E-06
vinyl chloride	75-01-4	9.93E-01	7.27E-03	46.60	5.53E+00	4.63E+01	1.76E-05	1.76E-05	1.76E-05		4.21E-05
xylenes	1330-20-7	9.13E-01	8.68E-02	39.99	5.53E+00	3.70E+01	4.25E-07	3.90E-07	3.90E-07		2.11E-05
aluminum	7429-90-5	9.41E-01	5.93E-02	73.82	5.53E+00	6.98E+01	4.53E-10	4.28E-10	4.28E-10		1.35E-09
ammonia	7664-41-7	9.96E-01	4.02E-03	59.52	5.53E+00	5.93E+01	1.53E-04	1.54E-04	1.54E-04		4.86E-04
arsenic	7440-38-2	8.49E-01	1.51E-01	39.39	5.53E+00	3.43E+01	1.97E-11	1.68E-11	1.68E-11		1.92E-09
cadmium	7440-43-9	6.88E-01	3.12E-01	39.36	5.53E+00	2.88E+01	1.18E-11	8.18E-12	8.18E-12		7.41E-09
chlorine	7782-50-5	9.95E-01	5.07E-03	40.00	5.53E+00	3.98E+01	1.22E-05	1.22E-05	1.22E-05		3.85E-05
copper	7440-50-8	2.80E-01	7.20E-01	50.17	5.53E+00	1.80E+01	4.20E-10	1.18E-10	1.18E-10		3.73E-10
hydrogen chloride	7647-01-0	9.96E-01	4.35E-03	39.71	5.53E+00	3.96E+01	1.36E-05	1.36E-05	1.36E-05		4.30E-05
hydrogen cyanide	74-90-8	9.96E-01	3.72E-03	69.34	5.53E+00	6.91E+01	1.17E-09	1.17E-09	1.17E-09		3.71E-09
lead	7439-92-1	1.57E-01	8.43E-01	39.03	5.53E+00	1.08E+01	2.58E-10	4.08E-11	4.05E-11		3.64E-12
nickel	7440-02-0	7.18E-01	2.82E-01	39.36	5.53E+00	2.98E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
silver	7440-22-4	9.49E-01	5.07E-02	39.38	5.53E+00	3.77E+01	4.06E-13	3.88E-13	3.88E-13		3.40E-11

CONCENTRATIONS OF COPCS IN SURFACE WATER AND FISH FOR EACH EXPOSURE SCENARIO

NONCARCINOGENIC EFFECTS:
All Exposure Scenarios

		Diffusive Mass Transfer Coefficient			Erosion Loading Supporting Calculation		Contaminant Load To The Waterbody					
		Liquid Phase Transfer Coefficient	Gas Phase Transfer Coefficient	Overall Transfer Rate	Unit Soil Loss	Watershed Sediment Delivery Ratio	Due to Direct Deposition	Due to Impervious Runoff	Due to Pervious Runoff	Due to Erosion	Due to Diffusion	Due to All Processes
		(m/yr)	(m/yr)	(m/yr)	(kg/m^2-yr)	(dimensionless)	(g/yr)	(g/yr)	(g/yr)	(g/yr)	(g/yr)	(g/yr)
COPC	CAS Number	K_L	K_G	K_V	X_a	SD	L_{Dep}	L_{IR}	L_{IR}	L_E	L_{Dif}	L_T
1,1,1,2-tetrachloroethane	630-20-6	153.29	454922.32	173.69	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,1-trichloroethane	71-55-6	164.78	484504.19	187.25	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	153.29	454922.32	170.15	0.39	0.18	1.30E-01	6.35E+00	2.59E-01	7.91E-04	1.54E-02	6.76E+00
1,1-dichloroethane	75-34-3	185.48	468559.52	210.51	0.39	0.18	1.90E-02	9.31E-01	1.17E-03	1.13E-06	1.60E-04	9.51E-01
1,1-dichloroethene	75-35-4	184.29	533257.08	209.46	0.39	0.18	3.98E-08	1.95E-06	6.67E-10	1.28E-12	6.11E-11	1.99E-06
1,2,3-trichlorobenzene	87-61-6	179.51	26157.37	179.94	0.39	0.18	1.22E-04	5.95E-03	7.89E-03	2.44E-03	4.14E-06	1.64E-02
1,2,4-trichlorobenzene	120-82-1	157.55	255426.17	177.21	0.39	0.18	6.90E-11	3.38E-09	1.31E-10	7.56E-12	1.66E-12	3.58E-09
1,2,4-trimethyl benzene	95-63-6	167.65	484504.19	190.35	0.39	0.18	3.28E-03	1.60E-01	5.89E-04	8.48E-05	1.00E-05	1.64E-01
1,2-bis(ethylthio)-ethene	13105-10-7	152.64	441952.02	163.60	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	153.55	441952.02	158.99	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,2-dichlorobenzene	95-50-1	153.29	446296.05	173.51	0.39	0.18	1.33E-10	6.51E-09	8.11E-11	4.93E-12	2.31E-12	6.73E-09
1,2-dichlorobutane	616-21-7	163.65	471938.27	185.98	0.39	0.18	5.22E-01	2.56E+01	2.49E-02	7.06E-04	1.07E-03	2.61E+01
1,2-dichloroethane	107-06-2	178.31	587498.13	201.20	0.39	0.18	1.91E+01	9.37E+02	3.23E+00	1.82E-03	7.52E-01	9.60E+02
1,2-dichloropropane	78-87-5	163.90	485336.19	185.79	0.39	0.18	3.23E-04	1.58E-02	4.89E-05	7.06E-08	5.07E-06	1.62E-02
1,3-dichlorobenzene	541-73-1	152.77	447162.36	173.22	0.39	0.18	1.19E-10	5.81E-09	4.51E-11	6.15E-12	1.26E-12	5.98E-09
1,4-dichlorobenzene	106-46-7	153.29	446296.05	173.67	0.39	0.18	1.32E-10	6.48E-09	5.95E-11	1.15E-12	1.82E-12	6.67E-09
1,4-dioxane	123-91-1	181.91	996974.21	107.19	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
1,4-dithiane	505-29-3	167.65	484504.19	70.00	0.39	0.18	6.24E+00	3.06E+02	8.37E+02	3.09E+00	2.10E+01	1.17E+03
1,4-oxathiane	15980-15-1	178.79	517259.07	79.07	0.39	0.18	6.74E+00	3.30E+02	2.19E+02	1.06E-01	2.34E+01	5.80E+02
1-chlorobutane	109-69-3	189.01	545101.94	214.79	0.39	0.18	2.10E-05	1.03E-03	1.02E-06	2.42E-08	6.34E-08	1.05E-03
1-hexene	592-41-6	197.13	568420.50	224.12	0.39	0.18	7.22E-03	3.53E-01	1.42E-05	1.32E-06	9.27E-07	3.60E-01
2,2-dimethyl-trans-thiirane	3772-13-2	192.51	556821.35	215.89	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,3-dimethyl-thiophene	632-16-6	172.96	501013.51	196.18	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4,6-trinitrotoluene	118-96-7	179.51	26157.37	0.01	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,4-dichlorophenol	120-83-2	179.51	26157.37	3.82	0.39	0.18	2.46E-11	1.20E-09	4.87E-08	2.26E-10	5.59E-12	5.01E-08
2,4-dinitrotoluene	121-14-2	142.17	919637.13	3.87	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2,6-dinitrotoluene	606-20-2	179.51	26157.37	0.90	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-butanone	78-93-3	177.10	496089.19	174.20	0.39	0.18	7.20E-02	3.52E+00	8.58E-01	3.99E-03	5.07E-02	4.51E+00
2-chlorobutane	78-86-4	189.01	545101.94	214.82	0.39	0.18	8.75E-02	4.28E+00	2.77E-03	3.73E-05	1.84E-04	4.37E+00
2-chloroethoxyethane	112-26-5	137.68	397274.70	13.21	0.39	0.18	9.72E-01	4.76E+01	9.19E+02	2.65E+00	3.89E+00	9.74E+02
2-ethyl 1,3-butadiene	3404-63-5	198.28	576088.85	225.43	0.39	0.18	1.60E-03	7.82E-02	5.10E-06	2.64E-07	3.32E-07	7.98E-02
2-hexanone	591-78-6	181.91	525288.08	189.59	0.39	0.18	2.48E-02	1.21E+00	1.62E-01	5.98E-04	7.52E-03	1.41E+00
2-methyl phenol	95-48-7	158.44	467712.96	22.80	0.39	0.18	6.28E-10	3.07E-08	6.72E-08	8.95E-10	2.27E-09	1.02E-07
2-methyl-1,3-dithiacyclopentane	5616-51-3	167.65	484504.19	70.00	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-dithiane	6007-26-7	159.59	459205.33	78.71	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	178.79	517259.07	79.07	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
2-methylnaphthalene	91-57-6	155.56	449500.91	174.02	0.39	0.18	4.14E-10	2.03E-08	9.48E-10	9.48E-10	2.65E-11	2.26E-08
3-methyl phenol	108-39-4	179.51	467712.96	17.22	0.39	0.18	1.79E-04	8.75E-03	5.99E-02	8.17E-04	8.42E-04	7.05E-02
4-methyl phenol	106-44-5	179.51	467712.96	15.85	0.39	0.18	1.79E-04	8.75E-03	1.68E-04	3.23E-05	8.48E-04	9.98E-03
4-methyl-2-pentanone	108-10-1	151.98	471938.27	163.59	0.39	0.18	1.08E-02	5.27E-01	6.94E-02	2.45E-03	2.97E-03	6.12E-01
acenaphthylene	208-96-8	148.04	329442.88	153.52	0.39	0.18	1.09E-10	5.33E-09	7.49E-10	8.98E-10	2.80E-11	7.12E-09
acetaldehyde	75-07-0	225.98	660977.51	232.31	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
acetone	67-64-1	195.98	660977.51	187.89	0.39	0.18	3.85E-01	1.88E+01	2.56E+00	3.58E-03	3.71E-01	2.22E+01
acetylene	74-86-2	332.05	959487.73	377.37	0.39	0.18	2.79E-03	1.36E-01	7.37E-06	2.78E-09	9.23E-06	1.39E-01
acrolein	107-02-8	205.09	591277.00	217.79	0.39	0.18	1.02E-02	5.00E-01	3.77E-02	9.07E-05	1.83E-03	5.50E-01
alpha-methylstyrene	98-83-9	169.02	488657.20	191.53	0.39	0.18	3.93E-03	1.92E-01	1.68E-03	1.84E-04	2.92E-05	1.98E-01
benzene	71-43-2	181.91	525288.08	206.51	0.39	0.18	3.47E-03	1.70E-01	2.74E-04	5.28E-07	3.02E-05	1.74E-01
bis(2-chloroisopropyl) ether	108-60-1	179.51	26157.37	172.64	0.39	0.18	1.42E-10	6.95E-09	1.22E-08	7.08E-10	5.07E-12	2.00E-08
carbon disulfide	75-15-0	179.51	587498.13	204.04	0.39	0.18	3.81E-02	1.86E+00	4.35E-04	6.35E-07	2.56E-05	1.90E+00
chlorobenzene	108-90-7	163.52	463468.76	185.48	0.39	0.18	2.19E-09	1.07E-07	5.16E-10	3.64E-12	2.10E-11	1.10E-07
chloroethane	75-00-3	197.13	1116049.81	224.02	0.39	0.18	1.13E-01	5.52E+00	8.04E-04	4.13E-07	2.83E-04	5.63E+00
chloroform	67-66-3	179.51	587498.13	203.68	0.39	0.18	1.22E-02	5.95E-01	9.84E-04	1.26E-06	1.25E-04	6.08E-01
chloromethane	74-87-3	134.51	668101.45	152.84	0.39	0.18	1.97E-02	9.62E-01	4.58E-04	4.41E-07	6.14E-05	9.83E-01
chloromethoxyethane	3188-13-4	186.66	541167.86	207.87	0.39	0.18	5.52E+00	2.70E+02	3.80E+00	3.66E-03	6.74E-01	2.80E+02
cis-1,2-dichloroethene	156-59-2	179.51	26157.37	196.07	0.39	0.18	1.29E-07	6.30E-06	9.03E-07	1.03E-09	1.17E-09	7.34E-06
dichlorodifluoromethane	75-71-8	179.51	26157.37	203.99	0.39	0.18	7.51E-07	3.67E-05	1.49E-07	1.48E-09	8.51E-11	3.76E-05
diethyl ether	60-29-7	162.26	485336.19	178.96	0.39	0.18	1.06E-02	5.17E-01	1.57E-02	2.02E-05	1.69E-03	5.45E-01
diethyl phthalate	84-66-2	179.51	26157.37	0.55	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
di-n-butyl phthalate	84-74-2	152.77	329140.86	23.78	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
diphenylamine	122-39-4	143.92	415884.29	39.47	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethane	74-84-0	311.82	898267.57	354.52	0.39	0.18	2.37E-01	1.16E+01	1.43E-04	7.33E-07	2.97E-05	1.18E+01
ethanol	64-17-5	214.01	657401.33	93.87	0.39	0.18	1.44E-04	7.04E-03	6.49E-04	5.16E-08	5.15E-04	8.35E-03
ethene	74-85-1	320.92	928720.84	364.86	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethyl centralite	85-98-3	117.14	338482.71	1.28	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
ethylbenzene	100-41-4	151.98	471938.27	172.62	0.39	0.18	4.72E-02	2.31E+00	5.92E-03	6.93E-05	1.02E-04	2.36E+00
HD	505-60-2	147.91	428791.43	133.93	0.39	0.18	3.10E-02	1.52E+00	2.46E-03	9.25E-05	1.25E-02	1.56E+00
hexachlorobutadiene	87-68-3	129.75	388507.38	147.37	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexachloroethane	67-72-1	138.64	48329.68	154.83	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
hexane	110-54-3	194.83	560700.85	221.51	0.39	0.18	7.08E-03	3.46E-01	3.53E-06	8.32E-07	8.60E-08	3.54E-01
methane	74-82-8	412.36	1192048.29	468.82	0.39	0.18	6.95E-02	3.40E+00	1.15E-05	1.61E-08	9.43E-06	3.47E+00
methyl tert-butyl ether	1634-04-4	192.51	556821.35	215.77	0.39	0.18	2.62E-02	1.28E+00	1.53E-02	1.97E-05	9.51E-04	1.33E+00
methylene chloride	75-09-2	199.42	576088.85	225.86	0.39	0.18	6.38E-02	3.12E+00	3.60E-03	1.39E-06	1.45E-03	3.19E+00
monoethanolamine	141-43-5	226.89	655628.01	0.99	0.39	0.18	9.54E-03	4.67E-01	7.58E-01	6.28E-05	5.52E-02	1.29E+00
naphthalene	91-20-3	148.04	401850.95	165.21	0.39	0.18	1.63E-04	7.98E-03	2.29E-04	1.10E-03	1.33E-05	9.49E-03
nitrobenzene	98-95-3	162.26	476145.03	136.94	0.39	0.18	2.59E-11	1.27E-09	1.04E-09	1.98E-11	2.81E-11	2.38E-09
nitroglycerin	55-63-0	126.21	364690.08	0.04	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
octane	111-65-9	171.61	496911.58	195.11	0.39	0.18	1.57E-02	7.70E-01	5.31E-06	1.29E-05	9.44E-08	7.86E-01
pentane	109-66-0	210.69	609996.37	239.54	0.39	0.18	1.70E-02	8.34E-01	1.07E-05	9.89E-07	3.22E-07	8.51E-01
phenanthrene	85-01-8	179.51	26157.37	24.60	0.39	0.18	3.84E-11	1.88E-09	3.57E-11	2.12E-09	7.82E-12	4.08E-09
phenol	108-95-2	168.52	501013.51	8.89	0.39	0.18	1.31E-09	6.39E-08	4.86E-08	3.43E-09	5.53E-09	1.23E-07
propene	115-07-1	268.13	774188.86	304.83	0.39	0.18	2.10E-02	1.03E+00	4.15E-05	2.00E-07	3.22E-06	1.05E+00
styrene	100-42-5	154.58	454922.32	175.21	0.39	0.18	2.07E-08	1.01E-06	8.06E-09	1.55E-08	2.56E-10	1.06E-06
tert-butyl alcohol	75-65-0	208.46	602543.03	122.50	0.39	0.18	1.30E-02	6.35E-01	1.52E-01	4.88E-05	1.73E-02	8.18E-01
tetracene	92-24-0	125.91	363832.58	7.91	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
tetrachloroethene	127-18-4	157.16	459205.33	178.60	0.39	0.18	1.42E-01	6.97E+00	6.32E-03	3.15E-05	3.09E-04	7.12E+00
tetryl	479-45-8	113.65	328400.49	0.04	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
thiirane	420-12-2	228.12	660977.51	253.19	0.39	0.18	1.38E-02	6.74E-01	8.19E-03	7.88E-06	2.37E-03	6.98E-01
thiodiglycol	111-48-8	166.40	480333.57	0.04	0.39	0.18	4.27E-02	2.09E+00	1.99E+02	6.38E-03	2.16E-01	2.01E+02
toluene	108-88-3	162.26	521281.19	184.27	0.39	0.18	6.20E-02	3.03E+00	6.92E-03	3.99E-05	1.72E-04	3.10E+00
trans-1,2-dichloroethene	156-60-5	201.70	451912.36	229.06	0.39	0.18	5.51E-08	2.70E-06	2.96E-09	4.75E-12	2.56E-10	2.75E-06
trichloroethene	79-01-6	168.52	488657.20	191.44	0.39	0.18	6.06E-02	2.97E+00	4.52E-03	2.39E-05	2.32E-04	3.03E+00
vinyl chloride	75-01-4	206.22	595044.00	234.39	0.39	0.18	7.10E+00	3.48E+02	4.70E-02	2.79E-05	6.73E-03	3.55E+02
xylenes	1330-20-7	177.22	513221.49	201.23	0.39	0.18	1.39E-01	6.81E+00	2.09E-02	1.28E-03	4.17E-04	6.97E+00
aluminum	7429-90-5	326.72	944096.93	371.33	0.39	0.18	2.61E-04	1.28E-02	2.54E-06	4.03E-07	0.00E+00	1.31E-02
ammonia	7664-41-7	401.91	1159889.25	299.40	0.39	0.18	6.85E+01	3.35E+03	1.37E+02	3.73E-02	2.83E+02	3.84E+03
arsenic	7440-38-2	174.30	481169.11	198.17	0.39	0.18	6.00E-06	2.94E-04	5.12E-09	2.38E-09	0.00E+00	3.00E-04
cadmium	7440-43-9	174.30	482421.10	198.12	0.39	0.18	3.01E-06	1.47E-04	6.36E-08	7.65E-08	0.00E+00	1.50E-04
chlorine	7782-50-5	179.51	26157.37	201.21	0.39	0.18	3.93E+00	1.92E+02	1.92E+01	7.71E-02	6.66E-03	2.15E+02
copper	7440-50-8	222.99	644347.48	253.43	0.39	0.18	6.34E-05	3.10E-03	1.10E-06	7.61E-06	0.00E+00	3.17E-03
hydrogen chloride	7647-01-0	179.51	26157.37	199.76	0.39	0.18	4.58E+00	2.24E+02	1.01E+01	5.19E-03	1.17E-02	2.39E+02
hydrogen cyanide	74-90-8	326.32	940764.84	348.77	0.39	0.18	6.65E-04	3.26E-02	8.06E-05	7.35E-09	3.33E-04	3.36E-02
lead	7439-92-1	174.30	481169.11	198.10	0.39	0.18	2.30E-05	1.13E-03	6.08E-07	8.77E-06	0.00E+00	1.16E-03
nickel	7440-02-0	174.30	481169.11	198.10	0.39	0.18	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
silver	7440-22-4	174.30	481169.11	198.10	0.39	0.18	1.36E-07	6.67E-06	3.61E-09	4.81E-10	0.00E+00	6.81E-06

CONCENTRATIONS OF COPCS IN SURFACE WATER AND FISH FOR EACH EXPOSURE SCENARIO

NONCARCINOGENIC EFFECTS: All Exposure Scenarios											
		Waterbody Dissipation Rate Constant					Concentration in Water				Concentration in Fish
COPC	CAS Number	Fraction in Water Column (dimensionless) f_{wc}	Fraction in Benthic Sediment (dimensionless) f_{bs}	Water Column Volatilization Rate Constant (yr^{-1}) k_v	Benthic Burial Rate Constant (yr^{-1}) k_b	Overall Total Waterbody Dissipation Rate Constant (yr^{-1}) k_{wt}	Total Waterbody Concentration Including Water Column and Bed Sediment (mg/ℓ) C_{wtot}	Total Concentration in Water Column (mg/ℓ) C_{wctot}	Dissolved Phase Water Concentration (mg/ℓ) C_{dw}	Concentration Sorbed to Bed Sediment (mg/kg) C_{sb}	Fish Concentration (mg/kg) C_{fish}
1,1,1,2-tetrachloroethane	630-20-6	9.30E-01	7.04E-02	34.52	5.53E+00	3.25E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,1,1-trichloroethane	71-55-6	9.65E-01	3.47E-02	37.22	5.53E+00	3.61E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,1,2,2-tetrachloroethane	79-34-5	9.78E-01	2.21E-02	33.83	5.53E+00	3.32E+01	4.46E-07	4.39E-07	4.39E-07		6.19E-06
1,1-dichloroethane	75-34-3	9.84E-01	1.62E-02	41.85	5.53E+00	4.13E+01	5.23E-08	5.17E-08	5.17E-08		2.51E-07
1,1-dichloroethene	75-35-4	9.81E-01	1.88E-02	41.64	5.53E+00	4.10E+01	1.10E-13	1.08E-13	1.08E-13		8.96E-13
1,2,3-trichlorobenzene	87-61-6	6.82E-01	3.18E-01	35.72	5.53E+00	2.61E+01	1.40E-09	9.64E-10	9.62E-10		3.32E-07
1,2,4-trichlorobenzene	120-82-1	7.14E-01	2.86E-01	35.19	5.53E+00	2.67E+01	2.99E-16	2.15E-16	2.14E-16		5.15E-14
1,2,4-trimethyl benzene	95-63-6	8.20E-01	1.80E-01	37.82	5.53E+00	3.20E+01	1.15E-08	9.50E-09	9.50E-09		1.18E-06
1,2-bis(ethylthio)-ethene	13105-10-7	8.60E-01	1.40E-01	32.51	5.53E+00	2.87E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,2-bis(vinylthio)-ethane	63938-34-1	8.73E-01	1.27E-01	31.60	5.53E+00	2.83E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,2-dichlorobenzene	95-50-1	9.14E-01	8.64E-02	34.49	5.53E+00	3.20E+01	4.64E-16	4.26E-16	4.26E-16		3.40E-14
1,2-dichlorobutane	616-21-7	9.56E-01	4.40E-02	36.97	5.53E+00	3.56E+01	1.63E-06	1.57E-06	1.57E-06		4.04E-05
1,2-dichloroethane	107-06-2	9.87E-01	1.26E-02	40.00	5.53E+00	3.96E+01	5.46E-05	5.42E-05	5.42E-05		1.55E-04
1,2-dichloropropane	78-87-5	9.85E-01	1.47E-02	36.94	5.53E+00	3.65E+01	9.87E-10	9.78E-10	9.78E-10		6.77E-09
1,3-dichlorobenzene	541-73-1	8.28E-01	1.72E-01	34.42	5.53E+00	2.95E+01	4.49E-16	3.74E-16	3.74E-16		4.41E-14
1,4-dichlorobenzene	106-46-7	8.69E-01	1.31E-01	34.51	5.53E+00	3.07E+01	4.80E-16	4.19E-16	4.19E-16		4.14E-14
1,4-dioxane	123-91-1	9.96E-01	3.71E-03	21.31	5.53E+00	2.13E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
1,4-dithiane	505-29-3	9.91E-01	8.98E-03	13.92	5.53E+00	1.38E+01	1.49E-04	1.48E-04	1.48E-04		3.41E-04
1,4-oxathiane	15980-15-1	9.96E-01	4.36E-03	15.72	5.53E+00	1.57E+01	6.75E-05	6.76E-05	6.76E-05		2.14E-04
1-chlorobutane	109-69-3	9.62E-01	3.75E-02	42.70	5.53E+00	4.13E+01	5.78E-11	5.59E-11	5.59E-11		1.20E-09
1-hexene	592-41-6	8.75E-01	1.25E-01	44.54	5.53E+00	3.97E+01	2.08E-08	1.83E-08	1.83E-08		1.49E-06
2,2-dimethyl-trans-thiirane	3772-13-2	9.86E-01	1.41E-02	42.92	5.53E+00	4.24E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,3-dimethyl-thiophene	632-16-6	9.42E-01	5.80E-02	38.99	5.53E+00	3.71E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,4,6-trinitrotoluene	118-96-7	9.88E-01	1.24E-02	0.00	5.53E+00	6.99E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,4-dichlorophenol	120-83-2	9.63E-01	3.74E-02	0.76	5.53E+00	9.38E-01	1.71E-14	1.65E-14	1.65E-14		2.25E-13
2,4-dinitrotoluene	121-14-2	9.76E-01	2.42E-02	0.77	5.53E+00	8.84E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2,6-dinitrotoluene	606-20-2	9.85E-01	1.51E-02	0.18	5.53E+00	2.61E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-butanone	78-93-3	9.96E-01	4.06E-03	34.63	5.53E+00	3.45E+01	2.87E-07	2.88E-07	2.88E-07		9.10E-07
2-chlorobutane	78-86-4	9.77E-01	2.31E-02	42.70	5.53E+00	4.18E+01	2.38E-07	2.33E-07	2.33E-07		2.90E-06
2-chloroethoxyethane	112-26-5	9.92E-01	7.92E-03	2.63	5.53E+00	2.65E+00	2.66E-04	2.66E-04	2.66E-04		5.13E-04
2-ethyl 1,3-butadiene	3404-63-5	9.25E-01	7.51E-02	44.81	5.53E+00	4.19E+01	4.37E-09	4.06E-09	4.06E-09		1.87E-07
2-hexanone	591-78-6	9.91E-01	8.98E-03	37.69	5.53E+00	3.74E+01	8.41E-08	8.38E-08	8.38E-08		1.93E-07
2-methyl phenol	95-48-7	9.77E-01	2.29E-02	4.53	5.53E+00	4.55E+00	2.35E-14	2.31E-14	2.31E-14		1.46E-13
2-methyl-1,3-dithiacyclopentane	5616-51-3	9.70E-01	3.05E-02	13.91	5.53E+00	1.37E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methyl-1,3-dithiane	6007-26-7	9.18E-01	8.25E-02	15.64	5.53E+00	1.48E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methyl-1,3-oxathiolane	17642-74-9	9.96E-01	4.24E-03	15.72	5.53E+00	1.57E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
2-methylnaphthalene	91-57-6	4.01E-01	5.99E-01	34.43	5.53E+00	1.71E+01	3.00E-15	1.21E-15	1.21E-15		2.26E-13
3-methyl phenol	108-39-4	9.77E-01	2.33E-02	3.42	5.53E+00	3.47E+00	1.79E-08	1.76E-08	1.76E-08		1.14E-07
4-methyl phenol	106-44-5	9.79E-01	2.09E-02	3.15	5.53E+00	3.20E+00	2.60E-09	2.56E-09	2.56E-09		1.48E-08
4-methyl-2-pentanone	108-10-1	9.93E-01	7.21E-03	32.52	5.53E+00	3.23E+01	4.12E-08	4.11E-08	4.11E-08		6.87E-08
acenaphthylene	208-96-8	3.59E-01	6.41E-01	30.35	5.53E+00	1.44E+01	1.11E-15	4.01E-16	3.99E-16		8.60E-14
acetaldehyde	75-07-0	9.96E-01	3.71E-03	46.19	5.53E+00	4.60E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
acetone	67-64-1	9.96E-01	3.71E-03	37.35	5.53E+00	3.72E+01	1.33E-06	1.33E-06	1.33E-06		4.20E-06
acetylene	74-86-2	9.96E-01	4.15E-03	75.02	5.53E+00	7.47E+01	4.51E-09	4.52E-09	4.52E-09		1.43E-08
acrolein	107-02-8	9.96E-01	3.83E-03	43.30	5.53E+00	4.32E+01	2.90E-08	2.91E-08	2.91E-08		9.20E-08
alpha-methylstyrene	98-83-9	8.57E-01	1.43E-01	38.06	5.53E+00	3.34E+01	1.33E-08	1.15E-08	1.15E-08		1.09E-06
benzene	71-43-2	9.82E-01	1.81E-02	41.05	5.53E+00	4.04E+01	9.71E-09	9.59E-09	9.59E-09		7.92E-08
bis(2-chloroisopropyl) ether	108-60-1	9.17E-01	8.29E-02	34.31	5.53E+00	3.19E+01	1.38E-15	1.27E-15	1.27E-15		2.56E-14
carbon disulfide	75-15-0	9.81E-01	1.91E-02	40.56	5.53E+00	3.99E+01	1.08E-07	1.06E-07	1.06E-07		1.05E-06
chlorobenzene	108-90-7	9.46E-01	5.42E-02	36.87	5.53E+00	3.52E+01	6.97E-15	6.63E-15	6.63E-15		1.90E-13
chloroethane	75-00-3	9.93E-01	7.27E-03	44.54	5.53E+00	4.43E+01	2.91E-07	2.91E-07	2.91E-07		6.95E-07
chloroform	67-66-3	9.84E-01	1.59E-02	40.49	5.53E+00	3.99E+01	3.44E-08	3.40E-08	3.40E-08		2.35E-07
chloromethane	74-87-3	9.95E-01	5.07E-03	30.39	5.53E+00	3.03E+01	6.98E-08	6.98E-08	6.98E-08		2.21E-07
chloromethoxyethane	3188-13-4	9.95E-01	5.07E-03	41.33	5.53E+00	4.11E+01	1.54E-05	1.54E-05	1.54E-05		4.87E-05
cis-1,2-dichloroethene	156-59-2	9.87E-01	1.26E-02	38.98	5.53E+00	3.86E+01	4.27E-13	4.24E-13	4.24E-13		2.45E-12
dichlorodifluoromethane	75-71-8	9.82E-01	1.80E-02	40.55	5.53E+00	3.99E+01	2.13E-12	2.10E-12	2.10E-12		1.93E-11
diethyl ether	60-29-7	9.95E-01	5.37E-03	35.58	5.53E+00	3.54E+01	3.40E-08	3.40E-08	3.40E-08		1.08E-07
diethyl phthalate	84-66-2	9.77E-01	2.28E-02	0.11	5.53E+00	2.32E-01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
di-n-butyl phthalate	84-74-2	7.25E-01	2.75E-01	4.72	5.53E+00	4.94E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
diphenylamine	122-39-4	6.01E-01	3.99E-01	7.83	5.53E+00	6.91E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethane	74-84-0	9.89E-01	1.13E-02	70.48	5.53E+00	6.97E+01	4.09E-07	4.06E-07	4.06E-07		2.01E-06
ethanol	64-17-5	9.96E-01	3.71E-03	18.66	5.53E+00	1.86E+01	8.61E-10	8.63E-10	8.63E-10		2.73E-09
ethene	74-85-1	9.94E-01	5.85E-03	72.54	5.53E+00	7.21E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethyl centralite	85-98-3	2.38E-01	7.62E-01	0.25	5.53E+00	4.27E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
ethylbenzene	100-41-4	9.50E-01	4.99E-02	34.31	5.53E+00	3.29E+01	1.58E-07	1.51E-07	1.51E-07		7.34E-06
HD	505-60-2	9.44E-01	5.64E-02	26.62	5.53E+00	2.54E+01	1.29E-07	1.22E-07	1.22E-07		1.75E-06
hexachlorobutadiene	87-68-3	3.56E-01	6.44E-01	29.13	5.53E+00	1.39E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
hexachloroethane	67-72-1	7.27E-01	2.73E-01	30.75	5.53E+00	2.39E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
hexane	110-54-3	7.38E-01	2.62E-01	43.99	5.53E+00	3.39E+01	2.39E-08	1.78E-08	1.78E-08		3.57E-06
methane	74-82-8	9.94E-01	5.67E-03	93.20	5.53E+00	9.27E+01	9.22E-08	9.22E-08	9.22E-08		1.27E-07
methyl tert-butyl ether	1634-04-4	9.94E-01	5.61E-03	42.90	5.53E+00	4.27E+01	7.06E-08	7.07E-08	7.07E-08		2.23E-07
methylene chloride	75-09-2	9.94E-01	5.96E-03	44.90	5.53E+00	4.47E+01	1.63E-07	1.63E-07	1.63E-07		3.27E-07
monoethanolamine	141-43-5	9.96E-01	3.60E-03	0.20	5.53E+00	2.15E-01	4.69E-07	4.70E-07	4.70E-07		1.49E-06
naphthalene	91-20-3	7.76E-01	2.24E-01	32.82	5.53E+00	2.67E+01	7.81E-10	6.10E-10	6.09E-10		4.22E-08
nitrobenzene	98-95-3	9.69E-01	3.12E-02	27.22	5.53E+00	2.65E+01	1.88E-16	1.84E-16	1.84E-16		9.73E-16
nitroglycerin	55-63-0	9.89E-01	1.08E-02	0.01	5.53E+00	6.82E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
octane	111-65-9	2.17E-01	7.83E-01	38.35	5.53E+00	1.27E+01	1.47E-07	3.21E-08	3.17E-08		6.35E-05
pentane	109-66-0	8.75E-01	1.25E-01	47.60	5.53E+00	4.24E+01	4.65E-08	4.09E-08	4.09E-08		3.33E-06
phenanthrene	85-01-8	1.38E-01	8.62E-01	4.80	5.53E+00	5.43E+00	1.69E-15	2.34E-16	2.30E-16		2.36E-13
phenol	108-95-2	9.89E-01	1.07E-02	1.77	5.53E+00	1.81E+00	3.68E-14	3.66E-14	3.66E-14		1.04E-13
propene	115-07-1	9.89E-01	1.07E-02	60.60	5.53E+00	6.00E+01	4.14E-08	4.12E-08	4.12E-08		1.90E-07
styrene	100-42-5	8.18E-01	1.82E-01	34.81	5.53E+00	2.95E+01	7.94E-14	6.53E-14	6.53E-14		2.66E-12
tert-butyl alcohol	75-65-0	9.96E-01	4.12E-03	24.35	5.53E+00	2.43E+01	6.91E-08	6.93E-08	6.93E-08		2.19E-07
tetracene	92-24-0	1.20E-02	9.88E-01	1.17	5.53E+00	5.48E+00	0.00E+00	0.00E+00	0.00E+00		0.00E+00
tetrachloroethene	127-18-4	9.37E-01	6.30E-02	35.50	5.53E+00	3.36E+01	4.69E-07	4.42E-07	4.42E-07		3.66E-05
tetryl	479-45-8	9.87E-01	1.33E-02	0.01	5.53E+00	8.14E-02	0.00E+00	0.00E+00	0.00E+00		0.00E+00
thiirane	420-12-2	9.95E-01	5.07E-03	50.34	5.53E+00	5.01E+01	3.24E-08	3.24E-08	3.24E-08		1.02E-07
thiodiglycol	111-48-8	9.96E-01	3.65E-03	0.01	5.53E+00	2.83E-02	7.50E-05	7.52E-05	7.52E-05		2.38E-04
toluene	108-88-3	9.64E-01	3.59E-02	36.63	5.53E+00	3.55E+01	1.94E-07	1.88E-07	1.88E-07		4.50E-06
trans-1,2-dichloroethene	156-60-5	9.87E-01	1.26E-02	45.54	5.53E+00	4.50E+01	1.40E-13	1.39E-13	1.39E-13		1.15E-12
trichloroethene	79-01-6	9.74E-01	2.55E-02	38.06	5.53E+00	3.72E+01	1.82E-07	1.79E-07	1.79E-07		2.52E-06
vinyl chloride	75-01-4	9.93E-01	7.27E-03	46.60	5.53E+00	4.63E+01	1.76E-05	1.76E-05	1.76E-05		4.21E-05
xylenes	1330-20-7	9.13E-01	8.68E-02	39.99	5.53E+00	3.70E+01	4.25E-07	3.90E-07	3.90E-07		2.11E-05
aluminum	7429-90-5	9.41E-01	5.93E-02	73.82	5.53E+00	6.98E+01	4.53E-10	4.28E-10	4.28E-10		1.35E-09
ammonia	7664-41-7	9.96E-01	4.02E-03	59.52	5.53E+00	5.93E+01	1.53E-04	1.54E-04	1.54E-04		4.86E-04
arsenic	7440-38-2	8.49E-01	1.51E-01	39.39	5.53E+00	3.43E+01	1.97E-11	1.68E-11	1.68E-11		1.92E-09
cadmium	7440-43-9	6.88E-01	3.12E-01	39.36	5.53E+00	2.88E+01	1.18E-11	8.18E-12	8.18E-12		7.41E-09
chlorine	7782-50-5	9.95E-01	5.07E-03	40.00	5.53E+00	3.98E+01	1.22E-05	1.22E-05	1.22E-05		3.85E-05
copper	7440-50-8	2.80E-01	7.20E-01	50.17	5.53E+00	1.80E+01	4.20E-10	1.18E-10	1.18E-10		3.73E-10
hydrogen chloride	7647-01-0	9.96E-01	4.35E-03	39.71	5.53E+00	3.96E+01	1.36E-05	1.36E-05	1.36E-05		4.30E-05
hydrogen cyanide	74-90-8	9.96E-01	3.72E-03	69.34	5.53E+00	6.91E+01	1.17E-09	1.17E-09	1.17E-09		3.71E-09
lead	7439-92-1	1.57E-01	8.43E-01	39.03	5.53E+00	1.08E+01	2.58E-10	4.08E-11	4.05E-11		3.64E-12
nickel	7440-02-0	7.18E-01	2.82E-01	39.36	5.53E+00	2.98E+01	0.00E+00	0.00E+00	0.00E+00		0.00E+00
silver	7440-22-4	9.49E-01	5.07E-02	39.38	5.53E+00	3.77E+01	4.06E-13	3.88E-13	3.88E-13		3.40E-11

CONCENTRATIONS OF COPCS IN BREAST MILK FOR INFANT EXPOSURE SCENARIOS

CARCINOGENIC EFFECTS: Infant Resident Exposure Scenario												
COPC	CAS Number	Average Maternal Intake of COPC (mg/kg-day) m	Fraction Stored in Maternal Fat (dimensionless) f_1	Biological Half-Life (days) h	Fraction of Mother's Weight that is Fat (dimensionless) f_2	Concentration in Milk Fat (mg/kg) $C_{milkfat}$	Fraction Stored in Blood Plasma (dimensionless) f_{pl}	Blood Plasma-Breast Milk Partition Coefficient (dimensionless) PC_{bm}	Fraction of Mother's Weight that is Blood Plasma (dimensionless) f_{pm}	Concentration in Milk Aqueous Phase (mg/kg) $C_{aqueous}$	Fraction of Fat in Breast Milk (dimensionless) f_{mbm}	Concentration in Milk (mg/kg) C_{milk}
1,1,1,2-tetrachloroethane	630-20-6											
1,1,1-trichloroethane	71-55-6											
1,1,2,2-tetrachloroethane	79-34-5											
1,1-dichloroethane	75-34-3											
1,1-dichloroethene	75-35-4											
1,2,3-trichlorobenzene	87-61-6											
1,2,4-trichlorobenzene	120-82-1	1.77E-17	0.5000	5.0000	0.3000	2.13E-16	0.5	1	0.046	1.39E-15	0.04	1.34E-15
1,2,4-trimethyl benzene	95-63-6											
1,2-bis(ethylthio)-ethene	13105-10-7											
1,2-bis(vinylthio)-ethane	63938-34-1											
1,2-dichlorobenzene	95-50-1											
1,2-dichlorobutane	616-21-7											
1,2-dichloroethane	107-06-2	1.50E-07	0.5000	5.0000	0.3000	1.81E-06	0.5	1	0.046	1.18E-05	0.04	1.14E-05
1,2-dichloropropane	78-87-5											
1,3-dichlorobenzene	541-73-1											
1,4-dichlorobenzene	106-46-7	1.40E-17	0.5000	5.0000	0.3000	1.68E-16	0.5	1	0.046	1.09E-15	0.04	1.06E-15
1,4-dioxane	123-91-1											
1,4-dithiane	505-29-3											
1,4-oxathiane	15980-15-1											
1-chlorobutane	109-69-3											
1-hexene	592-41-6											
2,2-dimethyl-trans-thiirane	3772-13-2											
2,3-dimethyl-thiophene	632-16-6											
2,4,6-trinitrotoluene	118-96-7											
2,4-dichlorophenol	120-83-2											
2,4-dinitrotoluene	121-14-2											
2,6-dinitrotoluene	606-20-2											
2-butanone	78-93-3											
2-chlorobutane	78-86-4											
2-chloroethoxyethane	112-26-5											
2-ethyl 1,3-butadiene	3404-63-5											
2-hexanone	591-78-6											
2-methyl phenol	95-48-7											
2-methyl-1,3-dithiacyclopentane	5616-51-3											
2-methyl-1,3-dithiane	6007-26-7											
2-methyl-1,3-oxathiolane	17642-74-9											
2-methylnaphthalene	91-57-6											
3-methyl phenol	108-39-4											
4-methyl phenol	106-44-5											
4-methyl-2-pentanone	108-10-1											
acenaphthylene	208-96-8											
acetaldehyde	75-07-0	0.00E+00	0.5000	5.0000	0.3000	0.00E+00	0.5	1	0.046	0.00E+00	0.04	0.00E+00
acetone	67-64-1											
acetylene	74-86-2											
acrolein	107-02-8											
alpha-methylstyrene	98-83-9											
benzene	71-43-2	4.72E-11	0.5000	5.0000	0.3000	5.68E-10	0.5	1	0.046	3.70E-09	0.04	3.58E-09
bis(2-chloroisopropyl) ether	108-60-1											
carbon disulfide	75-15-0											
chlorobenzene	108-90-7											
chloroethane	75-00-3											
chloroform	67-66-3	1.34E-10	0.5000	5.0000	0.3000	1.62E-09	0.5	1	0.046	1.05E-08	0.04	1.02E-08
chloromethane	74-87-3											
chloromethoxyethane	3188-13-4											
cis-1,2-dichloroethene	156-59-2											
dichlorodifluoromethane	75-71-8											
diethyl ether	60-29-7											
diethyl phthalate	84-66-2											
di-n-butyl phthalate	84-74-2											
diphenylamine	122-39-4											
ethane	74-84-0											
ethanol	64-17-5											
ethene	74-85-1											
ethyl centralite	85-98-3											
ethylbenzene	100-41-4	2.51E-09	0.5000	5.0000	0.3000	3.02E-08	0.5	1	0.046	1.97E-07	0.04	1.90E-07
HD	505-60-2											
hexachlorobutadiene	87-68-3											
hexachloroethane	67-72-1											
hexane	110-54-3											
methane	74-82-8											
methyl tert-butyl ether	1634-04-4	1.76E-10	0.5000	5.0000	0.3000	2.12E-09	0.5	1	0.046	1.38E-08	0.04	1.33E-08
methylene chloride	75-09-2	4.75E-10	0.5000	5.0000	0.3000	5.71E-09	0.5	1	0.046	3.72E-08	0.04	3.60E-08
monoethanolamine	141-43-5											
naphthalene	91-20-3	2.21E-11	0.5000	5.0000	0.3000	2.66E-10	0.5	1	0.046	1.74E-09	0.04	1.68E-09
nitrobenzene	98-95-3											
nitroglycerin	55-63-0											
octane	111-65-9											
pentane	109-66-0											
phenanthrene	85-01-8											
phenol	108-95-2											
propene	115-07-1											
styrene	100-42-5											
tert-butyl alcohol	75-65-0											
tetracene	92-24-0											
tetrachloroethene	127-18-4	1.24E-08	0.5000	5.0000	0.3000	1.48E-07	0.5	1	0.046	9.68E-07	0.04	9.36E-07
tetryl	479-45-8											
thiirane	420-12-2											
thiodiglycol	111-48-8											
toluene	108-88-3											
trans-1,2-dichloroethene	156-60-5											
trichloroethene	79-01-6	1.11E-09	0.5000	5.0000	0.3000	1.34E-08	0.5	1	0.046	8.74E-08	0.04	8.44E-08
vinyl chloride	75-01-4											
xylenes	1330-20-7											
aluminum	7429-90-5											
ammonia	7664-41-7											
arsenic	7440-38-2	4.03E-12	0.1000	44.0000	0.3000	8.53E-11	0.9	1	0.046	5.01E-09	0.04	4.81E-09
cadmium	7440-43-9	3.95E-12	0.1000	9490.0000	0.3000	1.80E-08	0.9	1	0.046	1.06E-06	0.04	1.02E-06
chlorine	7782-50-5											
copper	7440-50-8											
hydrogen chloride	7647-01-0											
hydrogen cyanide	74-90-8											
lead	7439-92-1	1.32E-11	0.1000	9490.0000	0.3000	6.03E-08	0.9	1	0.046	3.54E-06	0.04	3.40E-06
nickel	7440-02-0	0.00E+00	0.1000	9490.0000	0.3000	0.00E+00	0.9	1	0.046	0.00E+00	0.04	0.00E+00
silver	7440-22-4											

CONCENTRATIONS OF COPCS IN BREAST MILK FOR INFANT EXPOSURE SCENARIOS

NONCARCINOGENIC EFFECTS: Infant Resident Exposure Scenario												
COPC	CAS Number	Average Maternal Intake of COPC (mg/kg-day) m	Fraction Stored in Maternal Fat (dimensionless) f_1	Biological Half-Life (days) h	Fraction of Mother's Weight that is Fat (dimensionless) f_2	Concentration in Milk Fat (mg/kg) $C_{milkfat}$	Fraction Stored in Blood Plasma (dimensionless) f_{pl}	Blood Plasma-Breast Milk Partition Coefficient (dimensionless) Pc_{bm}	Fraction of Mother's Weight that is Blood Plasma (dimensionless) f_{pm}	Concentration in Milk Aqueous Phase (mg/kg) $C_{aqueous}$	Fraction of Fat in Breast Milk (dimensionless) f_{mbm}	Concentration in Milk (mg/kg) C_{milk}
1,1,1,2-tetrachloroethane	630-20-6											
1,1,1-trichloroethane	71-55-6	0.00E+00	0.5000	5.0000	0.3000	0.00E+00	0.5	1	0.046	0.00E+00	0.04	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5											
1,1-dichloroethane	75-34-3											
1,1-dichloroethene	75-35-4											
1,2,3-trichlorobenzene	87-61-6	4.13E-10	0.5000	5.0000	0.3000	4.96E-09	0.5	1	0.046	3.24E-08	0.04	3.13E-08
1,2,4-trichlorobenzene	120-82-1	7.38E-17	0.5000	5.0000	0.3000	8.87E-16	0.5	1	0.046	5.79E-15	0.04	5.59E-15
1,2,4-trimethyl benzene	95-63-6											
1,2-bis(ethylthio)-ethene	13105-10-7											
1,2-bis(vinylthio)-ethane	63938-34-1											
1,2-dichlorobenzene	95-50-1	4.41E-17	0.5000	5.0000	0.3000	5.31E-16	0.5	1	0.046	3.46E-15	0.04	3.34E-15
1,2-dichlorobutane	616-21-7											
1,2-dichloroethane	107-06-2	1.67E-06	0.5000	5.0000	0.3000	2.01E-05	0.5	1	0.046	1.31E-04	0.04	1.26E-04
1,2-dichloropropane	78-87-5											
1,3-dichlorobenzene	541-73-1											
1,4-dichlorobenzene	106-46-7	4.95E-17	0.5000	5.0000	0.3000	5.95E-16	0.5	1	0.046	3.88E-15	0.04	3.75E-15
1,4-dioxane	123-91-1											
1,4-dithiane	505-29-3											
1,4-oxathiane	15980-15-1											
1-chlorobutane	109-69-3											
1-hexene	592-41-6											
2,2-dimethyl-trans-thiirane	3772-13-2											
2,3-dimethyl-thiophene	632-16-6											
2,4,6-trinitrotoluene	118-96-7											
2,4-dichlorophenol	120-83-2											
2,4-dinitrotoluene	121-14-2											
2,6-dinitrotoluene	606-20-2											
2-butanone	78-93-3	2.45E-08	0.5000	5.0000	0.3000	2.94E-07	0.5	1	0.046	1.92E-06	0.04	1.85E-06
2-chlorobutane	78-86-4											
2-chloroethoxyethane	112-26-5											
2-ethyl 1,3-butadiene	3404-63-5											
2-hexanone	591-78-6											
2-methyl phenol	95-48-7											
2-methyl-1,3-dithiacyclopentane	5616-51-3											
2-methyl-1,3-dithiane	6007-26-7											
2-methyl-1,3-oxathiolane	17642-74-9											
2-methylnaphthalene	91-57-6											
3-methyl phenol	108-39-4											
4-methyl phenol	106-44-5											
4-methyl-2-pentanone	108-10-1	6.31E-09	0.5000	5.0000	0.3000	7.59E-08	0.5	1	0.046	4.95E-07	0.04	4.78E-07
acenaphthylene	208-96-8											
acetaldehyde	75-07-0	0.00E+00	0.5000	5.0000	0.3000	0.00E+00	0.5	1	0.046	0.00E+00	0.04	0.00E+00
acetone	67-64-1	8.00E-08	0.5000	5.0000	0.3000	9.61E-07	0.5	1	0.046	6.27E-06	0.04	6.06E-06
acetylene	74-86-2											
acrolein	107-02-8											
alpha-methylstyrene	98-83-9	1.24E-09	0.5000	5.0000	0.3000	1.49E-08	0.5	1	0.046	9.75E-08	0.04	9.42E-08
benzene	71-43-2	3.96E-10	0.5000	5.0000	0.3000	4.76E-09	0.5	1	0.046	3.10E-08	0.04	3.00E-08
bis(2-chloroisopropyl) ether	108-60-1											
carbon disulfide	75-15-0	2.75E-09	0.5000	5.0000	0.3000	3.30E-08	0.5	1	0.046	2.15E-07	0.04	2.08E-07
chlorobenzene	108-90-7	3.77E-16	0.5000	5.0000	0.3000	4.53E-15	0.5	1	0.046	2.95E-14	0.04	2.85E-14
chloroethane	75-00-3	6.11E-09	0.5000	5.0000	0.3000	7.35E-08	0.5	1	0.046	4.79E-07	0.04	4.63E-07
chloroform	67-66-3	1.10E-09	0.5000	5.0000	0.3000	1.32E-08	0.5	1	0.046	8.63E-08	0.04	8.34E-08
chloromethane	74-87-3											
chloromethoxyethane	3188-13-4											
cis-1,2-dichloroethene	156-59-2											
dichlorodifluoromethane	75-71-8	7.70E-14	0.5000	5.0000	0.3000	9.26E-13	0.5	1	0.046	6.04E-12	0.04	5.83E-12
diethyl ether	60-29-7											
diethyl phthalate	84-66-2											
di-n-butyl phthalate	84-74-2											
diphenylamine	122-39-4											
ethane	74-84-0											
ethanol	64-17-5											
ethene	74-85-1											
ethyl centralite	85-98-3											
ethylbenzene	100-41-4	8.69E-09	0.5000	5.0000	0.3000	1.04E-07	0.5	1	0.046	6.81E-07	0.04	6.58E-07
HD	505-60-2											
hexachlorobutadiene	87-68-3											
hexachloroethane	67-72-1											
hexane	110-54-3	3.29E-09	0.5000	5.0000	0.3000	3.95E-08	0.5	1	0.046	2.58E-07	0.04	2.49E-07
methane	74-82-8											
methyl tert-butyl ether	1634-04-4	1.81E-09	0.5000	5.0000	0.3000	2.17E-08	0.5	1	0.046	1.42E-07	0.04	1.37E-07
methylene chloride	75-09-2	5.95E-09	0.5000	5.0000	0.3000	7.15E-08	0.5	1	0.046	4.66E-07	0.04	4.50E-07
monoethanolamine	141-43-5											
naphthalene	91-20-3	1.95E-10	0.5000	5.0000	0.3000	2.35E-09	0.5	1	0.046	1.53E-08	0.04	1.48E-08
nitrobenzene	98-95-3											
nitroglycerin	55-63-0											
octane	111-65-9											
pentane	109-66-0											
phenanthrene	85-01-8											
phenol	108-95-2	4.95E-15	0.5000	5.0000	0.3000	5.95E-14	0.5	1	0.046	3.88E-13	0.04	3.75E-13
propene	115-07-1	1.18E-09	0.5000	5.0000	0.3000	1.42E-08	0.5	1	0.046	9.29E-08	0.04	8.98E-08
styrene	100-42-5	8.00E-14	0.5000	5.0000	0.3000	9.62E-13	0.5	1	0.046	6.27E-12	0.04	6.06E-12
tert-butyl alcohol	75-65-0											
tetracene	92-24-0											
tetrachloroethene	127-18-4	4.28E-08	0.5000	5.0000	0.3000	5.14E-07	0.5	1	0.046	3.35E-06	0.04	3.24E-06
tetryl	479-45-8											
thiirane	420-12-2											
thiodiglycol	111-48-8											
toluene	108-88-3	6.99E-09	0.5000	5.0000	0.3000	8.41E-08	0.5	1	0.046	5.48E-07	0.04	5.30E-07
trans-1,2-dichloroethene	156-60-5											
trichloroethene	79-01-6	6.86E-09	0.5000	5.0000	0.3000	8.25E-08	0.5	1	0.046	5.38E-07	0.04	5.20E-07
vinyl chloride	75-01-4											
xylenes	1330-20-7	2.54E-08	0.5000	5.0000	0.3000	3.06E-07	0.5	1	0.046	1.99E-06	0.04	1.93E-06
aluminum	7429-90-5	4.21E-10	0.5000	5.0000	0.3000	5.06E-09	0.5	1	0.046	3.30E-08	0.04	3.19E-08
ammonia	7664-41-7											
arsenic	7440-38-2	1.10E-11	0.1000	44.0000	0.3000	2.34E-10	0.9	1	0.046	1.37E-08	0.04	1.32E-08
cadmium	7440-43-9	1.06E-11	0.1000	9490.0000	0.3000	4.81E-08	0.9	1	0.046	2.83E-06	0.04	2.71E-06
chlorine	7782-50-5											
copper	7440-50-8	1.37E-10	0.1000	9490.0000	0.3000	6.25E-07	0.9	1	0.046	3.67E-05	0.04	3.52E-05
hydrogen chloride	7647-01-0											
hydrogen cyanide	74-90-8											
lead	7439-92-1											
nickel	7440-02-0	0.00E+00	0.1000	9490.0000	0.3000	0.00E+00	0.9	1	0.046	0.00E+00	0.04	0.00E+00
silver	7440-22-4	9.18E-13	0.1000	9490.0000	0.3000	4.19E-09	0.9	1	0.046	2.46E-07	0.04	2.36E-07

CONCENTRATIONS OF COPCS IN BREAST MILK FOR INFANT EXPOSURE SCENARIOS

CARCINOGENIC EFFECTS: Infant Subsistence Farmer Exposure Scenario												
COPC	CAS Number	Average Maternal Intake of COPC (mg/kg-day) m	Fraction Stored in Maternal Fat (dimensionless) f_1	Biological Half-Life (days) h	Fraction of Mother's Weight that is Fat (dimensionless) f_2	Concentration in Milk Fat (mg/kg) $C_{milkfat}$	Fraction Stored in Blood Plasma (dimensionless) f_{pl}	Blood Plasma-Breast Milk Partition Coefficient (dimensionless) PC_{bm}	Fraction of Mother's Weight that is Blood Plasma (dimensionless) f_{pm}	Concentration in Milk Aqueous Phase (mg/kg) $C_{aqueous}$	Fraction of Fat in Breast Milk (dimensionless) f_{mbm}	Concentration in Milk (mg/kg) C_{milk}
1,1,1,2-tetrachloroethane	630-20-6											
1,1,1-trichloroethane	71-55-6											
1,1,2,2-tetrachloroethane	79-34-5											
1,1-dichloroethane	75-34-3											
1,1-dichloroethene	75-35-4											
1,2,3-trichlorobenzene	87-61-6											
1,2,4-trichlorobenzene	120-82-1	2.55E-17	0.5000	5.0000	0.3000	3.06E-16	0.5	1	0.046	2.00E-15	0.04	1.93E-15
1,2,4-trimethyl benzene	95-63-6											
1,2-bis(ethylthio)-ethene	13105-10-7											
1,2-bis(vinylthio)-ethane	63938-34-1											
1,2-dichlorobenzene	95-50-1											
1,2-dichlorobutane	616-21-7											
1,2-dichloroethane	107-06-2	1.79E-07	0.5000	5.0000	0.3000	2.15E-06	0.5	1	0.046	1.40E-05	0.04	1.35E-05
1,2-dichloropropane	78-87-5											
1,3-dichlorobenzene	541-73-1											
1,4-dichlorobenzene	106-46-7	1.88E-17	0.5000	5.0000	0.3000	2.26E-16	0.5	1	0.046	1.48E-15	0.04	1.43E-15
1,4-dioxane	123-91-1											
1,4-dithiane	505-29-3											
1,4-oxathiane	15980-15-1											
1-chlorobutane	109-69-3											
1-hexene	592-41-6											
2,2-dimethyl-trans-thiirane	3772-13-2											
2,3-dimethyl-thiophene	632-16-6											
2,4,6-trinitrotoluene	118-96-7											
2,4-dichlorophenol	120-83-2											
2,4-dinitrotoluene	121-14-2											
2,6-dinitrotoluene	606-20-2											
2-butanone	78-93-3											
2-chlorobutane	78-86-4											
2-chloroethoxyethane	112-26-5											
2-ethyl 1,3-butadiene	3404-63-5											
2-hexanone	591-78-6											
2-methyl phenol	95-48-7											
2-methyl-1,3-dithiacyclopentane	5616-51-3											
2-methyl-1,3-dithiane	6007-26-7											
2-methyl-1,3-oxathiolane	17642-74-9											
2-methylnaphthalene	91-57-6											
3-methyl phenol	108-39-4											
4-methyl phenol	106-44-5											
4-methyl-2-pentanone	108-10-1											
acenaphthylene	208-96-8											
acetaldehyde	75-07-0	0.00E+00	0.5000	5.0000	0.3000	0.00E+00	0.5	1	0.046	0.00E+00	0.04	0.00E+00
acetone	67-64-1											
acetylene	74-86-2											
acrolein	107-02-8											
alpha-methylstyrene	98-83-9											
benzene	71-43-2	5.64E-11	0.5000	5.0000	0.3000	6.78E-10	0.5	1	0.046	4.42E-09	0.04	4.27E-09
bis(2-chloroisopropyl) ether	108-60-1											
carbon disulfide	75-15-0											
chlorobenzene	108-90-7											
chloroethane	75-00-3											
chloroform	67-66-3	1.61E-10	0.5000	5.0000	0.3000	1.94E-09	0.5	1	0.046	1.27E-08	0.04	1.22E-08
chloromethane	74-87-3											
chloromethoxyethane	3188-13-4											
cis-1,2-dichloroethene	156-59-2											
dichlorodifluoromethane	75-71-8											
diethyl ether	60-29-7											
diethyl phthalate	84-66-2											
di-n-butyl phthalate	84-74-2											
diphenylamine	122-39-4											
ethane	74-84-0											
ethanol	64-17-5											
ethene	74-85-1											
ethyl centralite	85-98-3											
ethylbenzene	100-41-4	3.32E-09	0.5000	5.0000	0.3000	4.00E-08	0.5	1	0.046	2.61E-07	0.04	2.52E-07
HD	505-60-2											
hexachlorobutadiene	87-68-3											
hexachloroethane	67-72-1											
hexane	110-54-3											
methane	74-82-8											
methyl tert-butyl ether	1634-04-4	2.34E-10	0.5000	5.0000	0.3000	2.81E-09	0.5	1	0.046	1.83E-08	0.04	1.77E-08
methylene chloride	75-09-2	5.27E-10	0.5000	5.0000	0.3000	6.34E-09	0.5	1	0.046	4.13E-08	0.04	3.99E-08
monoethanolamine	141-43-5											
naphthalene	91-20-3	4.00E-11	0.5000	5.0000	0.3000	4.81E-10	0.5	1	0.046	3.14E-09	0.04	3.03E-09
nitrobenzene	98-95-3											
nitroglycerin	55-63-0											
octane	111-65-9											
pentane	109-66-0											
phenanthrene	85-01-8											
phenol	108-95-2											
propene	115-07-1											
styrene	100-42-5											
tert-butyl alcohol	75-65-0											
tetracene	92-24-0											
tetrachloroethene	127-18-4	1.63E-08	0.5000	5.0000	0.3000	1.95E-07	0.5	1	0.046	1.27E-06	0.04	1.23E-06
tetryl	479-45-8											
thiirane	420-12-2											
thiodiglycol	111-48-8											
toluene	108-88-3											
trans-1,2-dichloroethene	156-60-5											
trichloroethene	79-01-6	1.39E-09	0.5000	5.0000	0.3000	1.67E-08	0.5	1	0.046	1.09E-07	0.04	1.05E-07
vinyl chloride	75-01-4											
xylenes	1330-20-7											
aluminum	7429-90-5											
ammonia	7664-41-7											
arsenic	7440-38-2	1.21E-11	0.1000	44.0000	0.3000	2.57E-10	0.9	1	0.046	1.51E-08	0.04	1.45E-08
cadmium	7440-43-9	8.51E-12	0.1000	9490.0000	0.3000	3.88E-08	0.9	1	0.046	2.28E-06	0.04	2.19E-06
chlorine	7782-50-5											
copper	7440-50-8											
hydrogen chloride	7647-01-0											
hydrogen cyanide	74-90-8											
lead	7439-92-1	4.37E-11	0.1000	9490.0000	0.3000	1.99E-07	0.9	1	0.046	1.17E-05	0.04	1.12E-05
nickel	7440-02-0	0.00E+00	0.1000	9490.0000	0.3000	0.00E+00	0.9	1	0.046	0.00E+00	0.04	0.00E+00
silver	7440-22-4											

CONCENTRATIONS OF COPCS IN BREAST MILK FOR INFANT EXPOSURE SCENARIOS

NONCARCINOGENIC EFFECTS: Infant Subsistence Farmer Exposure Scenario												
COPC	CAS Number	Average Maternal Intake of COPC (mg/kg-day) m	Fraction Stored in Maternal Fat (dimensionless) f_1	Biological Half-Life (days) h	Fraction of Mother's Weight that is Fat (dimensionless) f_2	Concentration in Milk Fat (mg/kg) $C_{milkfat}$	Fraction Stored in Blood Plasma (dimensionless) f_{pl}	Blood Plasma-Breast Milk Partition Coefficient (dimensionless) Pc_{bm}	Fraction of Mother's Weight that is Blood Plasma (dimensionless) f_{pm}	Concentration in Milk Aqueous Phase (mg/kg) $C_{aqueous}$	Fraction of Fat in Breast Milk (dimensionless) f_{mbm}	Concentration in Milk (mg/kg) C_{milk}
1,1,1,2-tetrachloroethane	630-20-6											
1,1,1-trichloroethane	71-55-6	0.00E+00	0.5000	5.0000	0.3000	0.00E+00	0.5	1	0.046	0.00E+00	0.04	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5											
1,1-dichloroethane	75-34-3											
1,1-dichloroethene	75-35-4											
1,2,3-trichlorobenzene	87-61-6	6.10E-10	0.5000	5.0000	0.3000	7.33E-09	0.5	1	0.046	4.78E-08	0.04	4.62E-08
1,2,4-trichlorobenzene	120-82-1	1.14E-16	0.5000	5.0000	0.3000	1.37E-15	0.5	1	0.046	8.91E-15	0.04	8.60E-15
1,2,4-trimethyl benzene	95-63-6											
1,2-bis(ethylthio)-ethene	13105-10-7											
1,2-bis(vinylthio)-ethane	63938-34-1											
1,2-dichlorobenzene	95-50-1	5.31E-17	0.5000	5.0000	0.3000	6.38E-16	0.5	1	0.046	4.16E-15	0.04	4.02E-15
1,2-dichlorobutane	616-21-7											
1,2-dichloroethane	107-06-2	1.84E-06	0.5000	5.0000	0.3000	2.21E-05	0.5	1	0.046	1.44E-04	0.04	1.39E-04
1,2-dichloropropane	78-87-5											
1,3-dichlorobenzene	541-73-1											
1,4-dichlorobenzene	106-46-7	5.76E-17	0.5000	5.0000	0.3000	6.92E-16	0.5	1	0.046	4.52E-15	0.04	4.36E-15
1,4-dioxane	123-91-1											
1,4-dithiane	505-29-3											
1,4-oxathiane	15980-15-1											
1-chlorobutane	109-69-3											
1-hexene	592-41-6											
2,2-dimethyl-trans-thiirane	3772-13-2											
2,3-dimethyl-thiophene	632-16-6											
2,4,6-trinitrotoluene	118-96-7											
2,4-dichlorophenol	120-83-2											
2,4-dinitrotoluene	121-14-2											
2,6-dinitrotoluene	606-20-2											
2-butanone	78-93-3	5.05E-08	0.5000	5.0000	0.3000	6.07E-07	0.5	1	0.046	3.96E-06	0.04	3.82E-06
2-chlorobutane	78-86-4											
2-chloroethoxyethane	112-26-5											
2-ethyl 1,3-butadiene	3404-63-5											
2-hexanone	591-78-6											
2-methyl phenol	95-48-7											
2-methyl-1,3-dithiacyclopentane	5616-51-3											
2-methyl-1,3-dithiane	6007-26-7											
2-methyl-1,3-oxathiolane	17642-74-9											
2-methylnaphthalene	91-57-6											
3-methyl phenol	108-39-4											
4-methyl phenol	106-44-5											
4-methyl-2-pentanone	108-10-1	1.42E-08	0.5000	5.0000	0.3000	1.70E-07	0.5	1	0.046	1.11E-06	0.04	1.07E-06
acenaphthylene	208-96-8											
acetaldehyde	75-07-0	0.00E+00	0.5000	5.0000	0.3000	0.00E+00	0.5	1	0.046	0.00E+00	0.04	0.00E+00
acetone	67-64-1	1.50E-07	0.5000	5.0000	0.3000	1.81E-06	0.5	1	0.046	1.18E-05	0.04	1.14E-05
acetylene	74-86-2											
acrolein	107-02-8											
alpha-methylstyrene	98-83-9	1.47E-09	0.5000	5.0000	0.3000	1.76E-08	0.5	1	0.046	1.15E-07	0.04	1.11E-07
benzene	71-43-2	4.03E-10	0.5000	5.0000	0.3000	4.84E-09	0.5	1	0.046	3.16E-08	0.04	3.05E-08
bis(2-chloroisopropyl) ether	108-60-1											
carbon disulfide	75-15-0	2.76E-09	0.5000	5.0000	0.3000	3.32E-08	0.5	1	0.046	2.17E-07	0.04	2.09E-07
chlorobenzene	108-90-7	4.52E-16	0.5000	5.0000	0.3000	5.43E-15	0.5	1	0.046	3.54E-14	0.04	3.42E-14
chloroethane	75-00-3	6.15E-09	0.5000	5.0000	0.3000	7.40E-08	0.5	1	0.046	4.83E-07	0.04	4.66E-07
chloroform	67-66-3	1.13E-09	0.5000	5.0000	0.3000	1.35E-08	0.5	1	0.046	8.83E-08	0.04	8.53E-08
chloromethane	74-87-3											
chloromethoxyethane	3188-13-4											
cis-1,2-dichloroethene	156-59-2											
dichlorodifluoromethane	75-71-8	8.17E-14	0.5000	5.0000	0.3000	9.83E-13	0.5	1	0.046	6.41E-12	0.04	6.19E-12
diethyl ether	60-29-7											
diethyl phthalate	84-66-2											
di-n-butyl phthalate	84-74-2											
diphenylamine	122-39-4											
ethane	74-84-0											
ethanol	64-17-5											
ethene	74-85-1											
ethyl centralite	85-98-3											
ethylbenzene	100-41-4	9.12E-09	0.5000	5.0000	0.3000	1.10E-07	0.5	1	0.046	7.15E-07	0.04	6.90E-07
HD	505-60-2											
hexachlorobutadiene	87-68-3											
hexachloroethane	67-72-1											
hexane	110-54-3	3.29E-09	0.5000	5.0000	0.3000	3.95E-08	0.5	1	0.046	2.58E-07	0.04	2.49E-07
methane	74-82-8											
methyl tert-butyl ether	1634-04-4	2.33E-09	0.5000	5.0000	0.3000	2.81E-08	0.5	1	0.046	1.83E-07	0.04	1.77E-07
methylene chloride	75-09-2	6.18E-09	0.5000	5.0000	0.3000	7.43E-08	0.5	1	0.046	4.84E-07	0.04	4.68E-07
monoethanolamine	141-43-5											
naphthalene	91-20-3	4.13E-10	0.5000	5.0000	0.3000	4.96E-09	0.5	1	0.046	3.24E-08	0.04	3.13E-08
nitrobenzene	98-95-3											
nitroglycerin	55-63-0											
octane	111-65-9											
pentane	109-66-0											
phenanthrene	85-01-8											
phenol	108-95-2	1.21E-14	0.5000	5.0000	0.3000	1.45E-13	0.5	1	0.046	9.48E-13	0.04	9.16E-13
propene	115-07-1	1.19E-09	0.5000	5.0000	0.3000	1.43E-08	0.5	1	0.046	9.30E-08	0.04	8.98E-08
styrene	100-42-5	1.94E-13	0.5000	5.0000	0.3000	2.34E-12	0.5	1	0.046	1.52E-11	0.04	1.47E-11
tert-butyl alcohol	75-65-0											
tetracene	92-24-0											
tetrachloroethene	127-18-4	4.37E-08	0.5000	5.0000	0.3000	5.25E-07	0.5	1	0.046	3.42E-06	0.04	3.31E-06
tetryl	479-45-8											
thiirane	420-12-2											
thiodiglycol	111-48-8											
toluene	108-88-3	7.29E-09	0.5000	5.0000	0.3000	8.76E-08	0.5	1	0.046	5.72E-07	0.04	5.52E-07
trans-1,2-dichloroethene	156-60-5											
trichloroethene	79-01-6	6.99E-09	0.5000	5.0000	0.3000	8.40E-08	0.5	1	0.046	5.48E-07	0.04	5.29E-07
vinyl chloride	75-01-4											
xylenes	1330-20-7	2.71E-08	0.5000	5.0000	0.3000	3.26E-07	0.5	1	0.046	2.13E-06	0.04	2.05E-06
aluminum	7429-90-5	1.01E-09	0.5000	5.0000	0.3000	1.21E-08	0.5	1	0.046	7.88E-08	0.04	7.62E-08
ammonia	7664-41-7											
arsenic	7440-38-2	2.43E-11	0.1000	44.0000	0.3000	5.14E-10	0.9	1	0.046	3.01E-08	0.04	2.90E-08
cadmium	7440-43-9	1.69E-11	0.1000	9490.0000	0.3000	7.71E-08	0.9	1	0.046	4.53E-06	0.04	4.35E-06
chlorine	7782-50-5											
copper	7440-50-8	3.31E-10	0.1000	9490.0000	0.3000	1.51E-06	0.9	1	0.046	8.87E-05	0.04	8.52E-05
hydrogen chloride	7647-01-0											
hydrogen cyanide	74-90-8											
lead	7439-92-1											
nickel	7440-02-0	0.00E+00	0.1000	9490.0000	0.3000	0.00E+00	0.9	1	0.046	0.00E+00	0.04	0.00E+00
silver	7440-22-4	2.23E-12	0.1000	9490.0000	0.3000	1.02E-08	0.9	1	0.046	5.97E-07	0.04	5.74E-07

CONCENTRATIONS OF COPCS IN BREAST MILK FOR INFANT EXPOSURE SCENARIOS

CARCINOGENIC EFFECTS: Infant Subsistence Fisher Exposure Scenario												
COPC	CAS Number	Average Maternal Intake of COPC (mg/kg-day) m	Fraction Stored in Maternal Fat (dimensionless) f_1	Biological Half-Life (days) h	Fraction of Mother's Weight that is Fat (dimensionless) f_2	Concentration in Milk Fat (mg/kg) $C_{milkfat}$	Fraction Stored in Blood Plasma (dimensionless) f_{pl}	Blood Plasma-Breast Milk Partition Coefficient (dimensionless) PC_{bm}	Fraction of Mother's Weight that is Blood Plasma (dimensionless) f_{pm}	Concentration in Milk Aqueous Phase (mg/kg) $C_{aqueous}$	Fraction of Fat in Breast Milk (dimensionless) f_{mbm}	Concentration in Milk (mg/kg) C_{milk}
1,1,1,2-tetrachloroethane	630-20-6											
1,1,1-trichloroethane	71-55-6											
1,1,2,2-tetrachloroethane	79-34-5											
1,1-dichloroethane	75-34-3											
1,1-dichloroethene	75-35-4											
1,2,3-trichlorobenzene	87-61-6											
1,2,4-trichlorobenzene	120-82-1	4.09E-17	0.5000	5.0000	0.3000	4.91E-16	0.5	1	0.046	3.20E-15	0.04	3.09E-15
1,2,4-trimethyl benzene	95-63-6											
1,2-bis(ethylthio)-ethene	13105-10-7											
1,2-bis(vinylthio)-ethane	63938-34-1											
1,2-dichlorobenzene	95-50-1											
1,2-dichlorobutane	616-21-7											
1,2-dichloroethane	107-06-2	2.22E-07	0.5000	5.0000	0.3000	2.67E-06	0.5	1	0.046	1.74E-05	0.04	1.68E-05
1,2-dichloropropane	78-87-5											
1,3-dichlorobenzene	541-73-1											
1,4-dichlorobenzene	106-46-7	3.31E-17	0.5000	5.0000	0.3000	3.98E-16	0.5	1	0.046	2.59E-15	0.04	2.50E-15
1,4-dioxane	123-91-1											
1,4-dithiane	505-29-3											
1,4-oxathiane	15980-15-1											
1-chlorobutane	109-69-3											
1-hexene	592-41-6											
2,2-dimethyl-trans-thiirane	3772-13-2											
2,3-dimethyl-thiophene	632-16-6											
2,4,6-trinitrotoluene	118-96-7											
2,4-dichlorophenol	120-83-2											
2,4-dinitrotoluene	121-14-2											
2,6-dinitrotoluene	606-20-2											
2-butanone	78-93-3											
2-chlorobutane	78-86-4											
2-chloroethoxyethane	112-26-5											
2-ethyl 1,3-butadiene	3404-63-5											
2-hexanone	591-78-6											
2-methyl phenol	95-48-7											
2-methyl-1,3-dithiacyclopentane	5616-51-3											
2-methyl-1,3-dithiane	6007-26-7											
2-methyl-1,3-oxathiolane	17642-74-9											
2-methylnaphthalene	91-57-6											
3-methyl phenol	108-39-4											
4-methyl phenol	106-44-5											
4-methyl-2-pentanone	108-10-1											
acenaphthylene	208-96-8											
acetaldehyde	75-07-0	0.00E+00	0.5000	5.0000	0.3000	0.00E+00	0.5	1	0.046	0.00E+00	0.04	0.00E+00
acetone	67-64-1											
acetylene	74-86-2											
acrolein	107-02-8											
alpha-methylstyrene	98-83-9											
benzene	71-43-2	8.40E-11	0.5000	5.0000	0.3000	1.01E-09	0.5	1	0.046	6.59E-09	0.04	6.36E-09
bis(2-chloroisopropyl) ether	108-60-1											
carbon disulfide	75-15-0											
chlorobenzene	108-90-7											
chloroethane	75-00-3											
chloroform	67-66-3	2.44E-10	0.5000	5.0000	0.3000	2.93E-09	0.5	1	0.046	1.91E-08	0.04	1.85E-08
chloromethane	74-87-3											
chloromethoxyethane	3188-13-4											
cis-1,2-dichloroethene	156-59-2											
dichlorodifluoromethane	75-71-8											
diethyl ether	60-29-7											
diethyl phthalate	84-66-2											
di-n-butyl phthalate	84-74-2											
diphenylamine	122-39-4											
ethane	74-84-0											
ethanol	64-17-5											
ethene	74-85-1											
ethyl centralite	85-98-3											
ethylbenzene	100-41-4	5.92E-09	0.5000	5.0000	0.3000	7.11E-08	0.5	1	0.046	4.64E-07	0.04	4.48E-07
HD	505-60-2											
hexachlorobutadiene	87-68-3											
hexachloroethane	67-72-1											
hexane	110-54-3											
methane	74-82-8											
methyl tert-butyl ether	1634-04-4	2.79E-10	0.5000	5.0000	0.3000	3.35E-09	0.5	1	0.046	2.19E-08	0.04	2.11E-08
methylene chloride	75-09-2	6.26E-10	0.5000	5.0000	0.3000	7.53E-09	0.5	1	0.046	4.91E-08	0.04	4.75E-08
monoethanolamine	141-43-5											
naphthalene	91-20-3	3.95E-11	0.5000	5.0000	0.3000	4.74E-10	0.5	1	0.046	3.09E-09	0.04	2.99E-09
nitrobenzene	98-95-3											
nitroglycerin	55-63-0											
octane	111-65-9											
pentane	109-66-0											
phenanthrene	85-01-8											
phenol	108-95-2											
propene	115-07-1											
styrene	100-42-5											
tert-butyl alcohol	75-65-0											
tetracene	92-24-0											
tetrachloroethene	127-18-4	2.93E-08	0.5000	5.0000	0.3000	3.53E-07	0.5	1	0.046	2.30E-06	0.04	2.22E-06
tetryl	479-45-8											
thiirane	420-12-2											
thiodiglycol	111-48-8											
toluene	108-88-3											
trans-1,2-dichloroethene	156-60-5											
trichloroethene	79-01-6	2.28E-09	0.5000	5.0000	0.3000	2.74E-08	0.5	1	0.046	1.79E-07	0.04	1.73E-07
vinyl chloride	75-01-4											
xylenes	1330-20-7											
aluminum	7429-90-5											
ammonia	7664-41-7											
arsenic	7440-38-2	4.92E-12	0.1000	44.0000	0.3000	1.04E-10	0.9	1	0.046	6.11E-09	0.04	5.87E-09
cadmium	7440-43-9	7.39E-12	0.1000	9490.0000	0.3000	3.37E-08	0.9	1	0.046	1.98E-06	0.04	1.90E-06
chlorine	7782-50-5											
copper	7440-50-8											
hydrogen chloride	7647-01-0											
hydrogen cyanide	74-90-8											
lead	7439-92-1	1.32E-11	0.1000	9490.0000	0.3000	6.03E-08	0.9	1	0.046	3.54E-06	0.04	3.40E-06
nickel	7440-02-0	0.00E+00	0.1000	9490.0000	0.3000	0.00E+00	0.9	1	0.046	0.00E+00	0.04	0.00E+00
silver	7440-22-4											

CONCENTRATIONS OF COPCS IN BREAST MILK FOR INFANT EXPOSURE SCENARIOS

NONCARCINOGENIC EFFECTS: Infant Subsistence Fisher Exposure Scenario												
COPC	CAS Number	Average Maternal Intake of COPC (mg/kg-day) m	Fraction Stored in Maternal Fat (dimensionless) f_1	Biological Half-Life (days) h	Fraction of Mother's Weight that is Fat (dimensionless) f_2	Concentration in Milk Fat (mg/kg) $C_{milkfat}$	Fraction Stored in Blood Plasma (dimensionless) f_{pl}	Blood Plasma-Breast Milk Partition Coefficient (dimensionless) Pc_{bm}	Fraction of Mother's Weight that is Blood Plasma (dimensionless) f_{pm}	Concentration in Milk Aqueous Phase (mg/kg) $C_{aqueous}$	Fraction of Fat in Breast Milk (dimensionless) f_{mbm}	Concentration in Milk (mg/kg) C_{milk}
1,1,1,2-tetrachloroethane	630-20-6											
1,1,1-trichloroethane	71-55-6	0.00E+00	0.5000	5.0000	0.3000	0.00E+00	0.5	1	0.046	0.00E+00	0.04	0.00E+00
1,1,2,2-tetrachloroethane	79-34-5											
1,1-dichloroethane	75-34-3											
1,1-dichloroethene	75-35-4											
1,2,3-trichlorobenzene	87-61-6	8.13E-10	0.5000	5.0000	0.3000	9.78E-09	0.5	1	0.046	6.38E-08	0.04	6.16E-08
1,2,4-trichlorobenzene	120-82-1	1.36E-16	0.5000	5.0000	0.3000	1.64E-15	0.5	1	0.046	1.07E-14	0.04	1.03E-14
1,2,4-trimethyl benzene	95-63-6											
1,2-bis(ethylthio)-ethene	13105-10-7											
1,2-bis(vinylthio)-ethane	63938-34-1											
1,2-dichlorobenzene	95-50-1	8.53E-17	0.5000	5.0000	0.3000	1.02E-15	0.5	1	0.046	6.68E-15	0.04	6.46E-15
1,2-dichlorobutane	616-21-7											
1,2-dichloroethane	107-06-2	1.86E-06	0.5000	5.0000	0.3000	2.23E-05	0.5	1	0.046	1.46E-04	0.04	1.41E-04
1,2-dichloropropane	78-87-5											
1,3-dichlorobenzene	541-73-1											
1,4-dichlorobenzene	106-46-7	9.95E-17	0.5000	5.0000	0.3000	1.20E-15	0.5	1	0.046	7.80E-15	0.04	7.54E-15
1,4-dioxane	123-91-1											
1,4-dithiane	505-29-3											
1,4-oxathiane	15980-15-1											
1-chlorobutane	109-69-3											
1-hexene	592-41-6											
2,2-dimethyl-trans-thiirane	3772-13-2											
2,3-dimethyl-thiophene	632-16-6											
2,4,6-trinitrotoluene	118-96-7											
2,4-dichlorophenol	120-83-2											
2,4-dinitrotoluene	121-14-2											
2,6-dinitrotoluene	606-20-2											
2-butanone	78-93-3	2.56E-08	0.5000	5.0000	0.3000	3.07E-07	0.5	1	0.046	2.01E-06	0.04	1.94E-06
2-chlorobutane	78-86-4											
2-chloroethoxyethane	112-26-5											
2-ethyl 1,3-butadiene	3404-63-5											
2-hexanone	591-78-6											
2-methyl phenol	95-48-7											
2-methyl-1,3-dithiacyclopentane	5616-51-3											
2-methyl-1,3-dithiane	6007-26-7											
2-methyl-1,3-oxathiolane	17642-74-9											
2-methylnaphthalene	91-57-6											
3-methyl phenol	108-39-4											
4-methyl phenol	106-44-5											
4-methyl-2-pentanone	108-10-1	6.39E-09	0.5000	5.0000	0.3000	7.69E-08	0.5	1	0.046	5.01E-07	0.04	4.84E-07
acenaphthylene	208-96-8											
acetaldehyde	75-07-0	0.00E+00	0.5000	5.0000	0.3000	0.00E+00	0.5	1	0.046	0.00E+00	0.04	0.00E+00
acetone	67-64-1	8.50E-08	0.5000	5.0000	0.3000	1.02E-06	0.5	1	0.046	6.67E-06	0.04	6.44E-06
acetylene	74-86-2											
acrolein	107-02-8											
alpha-methylstyrene	98-83-9	2.57E-09	0.5000	5.0000	0.3000	3.08E-08	0.5	1	0.046	2.01E-07	0.04	1.94E-07
benzene	71-43-2	4.92E-10	0.5000	5.0000	0.3000	5.91E-09	0.5	1	0.046	3.85E-08	0.04	3.72E-08
bis(2-chloroisopropyl) ether	108-60-1											
carbon disulfide	75-15-0	4.01E-09	0.5000	5.0000	0.3000	4.82E-08	0.5	1	0.046	3.15E-07	0.04	3.04E-07
chlorobenzene	108-90-7	6.06E-16	0.5000	5.0000	0.3000	7.28E-15	0.5	1	0.046	4.75E-14	0.04	4.59E-14
chloroethane	75-00-3	6.95E-09	0.5000	5.0000	0.3000	8.36E-08	0.5	1	0.046	5.45E-07	0.04	5.26E-07
chloroform	67-66-3	1.39E-09	0.5000	5.0000	0.3000	1.67E-08	0.5	1	0.046	1.09E-07	0.04	1.05E-07
chloromethane	74-87-3											
chloromethoxyethane	3188-13-4											
cis-1,2-dichloroethene	156-59-2											
dichlorodifluoromethane	75-71-8	1.00E-13	0.5000	5.0000	0.3000	1.21E-12	0.5	1	0.046	7.87E-12	0.04	7.60E-12
diethyl ether	60-29-7											
diethyl phthalate	84-66-2											
di-n-butyl phthalate	84-74-2											
diphenylamine	122-39-4											
ethane	74-84-0											
ethanol	64-17-5											
ethene	74-85-1											
ethyl centralite	85-98-3											
ethylbenzene	100-41-4	1.76E-08	0.5000	5.0000	0.3000	2.11E-07	0.5	1	0.046	1.38E-06	0.04	1.33E-06
HD	505-60-2											
hexachlorobutadiene	87-68-3											
hexachloroethane	67-72-1											
hexane	110-54-3	7.60E-09	0.5000	5.0000	0.3000	9.13E-08	0.5	1	0.046	5.96E-07	0.04	5.75E-07
methane	74-82-8											
methyl tert-butyl ether	1634-04-4	2.08E-09	0.5000	5.0000	0.3000	2.50E-08	0.5	1	0.046	1.63E-07	0.04	1.57E-07
methylene chloride	75-09-2	6.34E-09	0.5000	5.0000	0.3000	7.62E-08	0.5	1	0.046	4.97E-07	0.04	4.80E-07
monoethanolamine	141-43-5											
naphthalene	91-20-3	2.46E-10	0.5000	5.0000	0.3000	2.96E-09	0.5	1	0.046	1.93E-08	0.04	1.86E-08
nitrobenzene	98-95-3											
nitroglycerin	55-63-0											
octane	111-65-9											
pentane	109-66-0											
phenanthrene	85-01-8											
phenol	108-95-2	5.08E-15	0.5000	5.0000	0.3000	6.10E-14	0.5	1	0.046	3.98E-13	0.04	3.85E-13
propene	115-07-1	1.41E-09	0.5000	5.0000	0.3000	1.70E-08	0.5	1	0.046	1.11E-07	0.04	1.07E-07
styrene	100-42-5	8.32E-14	0.5000	5.0000	0.3000	1.00E-12	0.5	1	0.046	6.52E-12	0.04	6.30E-12
tert-butyl alcohol	75-65-0											
tetracene	92-24-0											
tetrachloroethene	127-18-4	8.70E-08	0.5000	5.0000	0.3000	1.05E-06	0.5	1	0.046	6.82E-06	0.04	6.59E-06
tetryl	479-45-8											
thiirane	420-12-2											
thiodiglycol	111-48-8											
toluene	108-88-3	1.24E-08	0.5000	5.0000	0.3000	1.49E-07	0.5	1	0.046	9.75E-07	0.04	9.42E-07
trans-1,2-dichloroethene	156-60-5											
trichloroethene	79-01-6	9.90E-09	0.5000	5.0000	0.3000	1.19E-07	0.5	1	0.046	7.76E-07	0.04	7.50E-07
vinyl chloride	75-01-4											
xylenes	1330-20-7	5.09E-08	0.5000	5.0000	0.3000	6.12E-07	0.5	1	0.046	3.99E-06	0.04	3.86E-06
aluminum	7429-90-5	4.22E-10	0.5000	5.0000	0.3000	5.08E-09	0.5	1	0.046	3.31E-08	0.04	3.20E-08
ammonia	7664-41-7											
arsenic	7440-38-2	1.34E-11	0.1000	44.0000	0.3000	2.83E-10	0.9	1	0.046	1.66E-08	0.04	1.59E-08
cadmium	7440-43-9	1.95E-11	0.1000	9490.0000	0.3000	8.90E-08	0.9	1	0.046	5.23E-06	0.04	5.02E-06
chlorine	7782-50-5											
copper	7440-50-8	1.37E-10	0.1000	9490.0000	0.3000	6.27E-07	0.9	1	0.046	3.68E-05	0.04	3.53E-05
hydrogen chloride	7647-01-0											
hydrogen cyanide	74-90-8											
lead	7439-92-1											
nickel	7440-02-0	0.00E+00	0.1000	9490.0000	0.3000	0.00E+00	0.9	1	0.046	0.00E+00	0.04	0.00E+00
silver	7440-22-4	9.59E-13	0.1000	9490.0000	0.3000	4.38E-09	0.9	1	0.046	2.57E-07	0.04	2.47E-07