

Table 5-10
 Estimated Animal Tissue Concentrations
 ESSROC
 Logansport, Indiana
 Units (mg/kg tissue)

Chemical	Units (mg/kg tissue)			
	Maximum Exposure Area Beef	Maximum Exposure Area Pork	Maximum Exposure Area Poultry	Maximum Exposure Area Milk
Carcinogens				
2,3,7,8 TCDD	1.8056E-09	9.5517E-10	4.0574E-11	2.5562E-10
2,3,7,8-PeCDD	3.8474E-09	1.496E-09	4.5432E-11	7.0433E-10
2,3,7,8-HxCDD	1.2728E-08	4.1607E-09	1.8542E-10	2.3707E-09
2,3,7,8-HpCDD	5.0021E-09	1.9602E-09	9.4492E-11	8.9617E-10
OCDD	2.2912E-09	9.5757E-10	6.0436E-12	3.8732E-10
2,3,7,8-TCDF	1.3291E-08	7.3178E-09	8.0803E-10	1.7923E-09
1,2,3,7,8-PeCDF	4.0274E-09	1.8702E-09	2.368E-12	6.3577E-10
2,3,4,7,8-PeCDF	2.6207E-08	1.21E-08	5.6574E-10	4.1665E-09
2,3,7,8-HxCDF	1.7047E-08	7.3423E-09	1.4632E-10	2.8484E-09
2,3,7,8-HpCDF	4.5933E-09	7.8625E-10	1.9977E-11	1.1519E-09
OCDF	2.6267E-10	9.9946E-11	5.1401E-10	3.7539E-10
Arsenic	6.7811E-06	2.573E-06	9.8731E-08	1.7603E-07
Beryllium	1.5851E-07	6.661E-08	2.58E-09	1.1038E-10
Benzo(a)pyrene	3.5219E-05	7.2835E-06	1.3661E-07	1.4521E-05
Benzo(a)anthracene	1.1511E-05	5.9726E-06	1.5009E-07	3.0299E-06
Benzo(b)fluoranthene	5.9582E-05	2.5399E-05	6.1057E-07	1.7971E-05
Bis(2-ethyl hexyl)phthalate	0.00763021	0.00064369	4.2821E-09	0.00364864
Dibenz(a,h)anthracene	0.00015772	1.656E-05	1.0789E-07	7.3687E-05
1,4-dichlorobenzene	4.9459E-08	2.6637E-08	7.1997E-07	2.1367E-08
2,4-Dinitrotoluene	3.7761E-10	1.8525E-10	5.0997E-12	1.9688E-10
2,6-Dinitrotoluene	3.6828E-10	1.8125E-10	5.0155E-12	1.9402E-10
Hexachlorobenzene	1.3562E-05	8.7804E-06	2.285E-07	2.8377E-06
Hexachlorobutadiene	4.0792E-06	2.5003E-06	7.1466E-08	1.0334E-06
Hexachloroethane	6.969E-08	3.9814E-08	1.0647E-09	2.5325E-08
n-Nitroso-di-n-propylamine	1.9073E-12	8.4242E-13	2.28E-14	1.0099E-12
Pentachlorophenol	3.2053E-07	1.7427E-07	4.4482E-09	8.9182E-08
3,3'-Tetra CB	9.9135E-11	6.0347E-11	1.5465E-12	2.0413E-11
				6.2055E-10

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2,3,4,4',5'-Penta CB	2.9995E-10	1.8259E-10	4.6792E-12	6.1761E-11	1.8776E-09
2,3',4,4',5'-Penta CB	3.2028E-10	1.9497E-10	4.9965E-12	6.5949E-11	2.0048E-09
2',3,3',4,4'-Penta CB	1.2379E-11	7.5357E-12	1.9312E-13	2.549E-12	7.7489E-11
2,3,3',4,4'-Penta CB	5.3634E-11	3.2649E-11	8.3671E-13	1.1044E-11	3.3573E-10
3,3',4,4',5'-Penta CB	1.3599E-11	8.2784E-12	2.1215E-13	2.8002E-12	8.5126E-11
2,3',4,4',5,5'-Hexa CB	1.7539E-10	1.0677E-10	2.7362E-12	3.6115E-11	1.0979E-09
2,3,3',4,4',5'-Hexa CB	3.5078E-10	2.1354E-10	5.4723E-12	7.2229E-11	2.1958E-09
2,3,3',4,4',5',_Hexa CB	1.0727E-10	6.5299E-11	1.6734E-12	2.2088E-11	6.7146E-10
3,3',4,4',5,5'-Hexa CB	2.7961E-11	1.7021E-11	4.362E-13	5.7574E-12	1.7503E-10
2,2',3,4,4',5,5'-Hepta CB	9.1255E-09	5.555E-09	1.4236E-10	1.879E-09	5.7122E-08
2,2',3,3',4,4',5-Hepta CB	9.1001E-09	5.5396E-09	1.4196E-10	1.8738E-09	5.6963E-08
2,3,3',4,4',5,5'-Hepta CB	3.8637E-11	2.352E-11	6.0275E-13	7.9557E-12	2.4185E-10
Noncarcinogens					
Antimony	5.4119E-06	2.3939E-06	9.4227E-08	4.5443E-07	9.4227E-08
Arsenic	9.691E-06	4.1717E-06	1.6222E-07	2.2352E-07	1.6222E-07
Barium	8.5694E-06	3.7677E-06	1.4823E-07	1.6898E-05	1.4823E-07
Beryllium	2.7425E-07	1.3058E-07	5.1177E-09	1.6437E-10	5.1177E-09
Cadmium	1.5949E-05	1.1116E-05	0.00024826	9.2853E-07	5.8551E-06
Chromium (VI)	9.606E-07	3.8958E-07	1.5049E-08	2.1236E-07	1.5049E-08
Chromium, total	0.00010668	5.0869E-05	1.9959E-06	1.9633E-05	1.9959E-06
Lead	0.00045256	0.00025652	8.4095E-06	0.00027161	1.0091E-05
Divalent Mercury	0.00067426	2.3732E-06	6.659E-05	0.00017452	6.659E-05
Methyl Mercury	2.8335E-06	4.167E-09	1.0515E-07	1.4665E-06	1.0515E-07
Nickel	9.5879E-05	4.3698E-05	1.7106E-06	1.1717E-05	1.7106E-06
Selenium	1.5513E-05	0.00034414	7.6017E-05	4.4246E-05	7.6017E-05
Thallium	0.00029034	0.0001335	5.212E-06	1.0015E-05	5.212E-06
Acenaphthene	3.0461E-11	1.4964E-11	3.8936E-13	1.1756E-11	1.5574E-10
Bis(2-ethyl hexyl)phthalate	0.00763021	0.00064369	4.2824E-09	0.00364864	1.7103E-06

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2-Chlorophenol	4.8089E-09	2.3921E-09	6.603E-11	2.4858E-09	2.6366E-08
1,4-dichlorobenzene	4.9758E-08	2.6798E-08	7.2432E-07	2.1496E-08	2.9001E-07
2,4-Dimethylphenol	4.4531E-10	1.3942E-10	3.3774E-12	2.2123E-10	1.3539E-09
2,4-Dinitrophenol	1.2277E-10	5.4846E-11	1.4937E-12	6.4736E-11	5.9839E-10
2,4-Dinitrotoluene	3.7792E-10	1.854E-10	5.1038E-12	1.9703E-10	2.0467E-09
Fluoranthene	1.6872E-05	1.0924E-05	2.8429E-07	3.5298E-06	0.00011399
Hexachlorobenzene	5.3088E-06	3.2539E-06	9.3007E-08	1.3448E-06	3.7048E-05
Hexachlorobutadiene	9.9585E-08	6.2028E-08	1.6285E-09	2.5336E-08	6.5241E-07
Hexachlorocyclopentadiene	7.0517E-08	4.0287E-08	1.0774E-09	2.5625E-08	4.3039E-07
Hexachloroethane	2.0719E-06	1.1102E-06	3.0071E-08	9.0364E-07	1.2041E-05
Naphthalene	3.0098E-10	1.4789E-10	4.0789E-12	1.5819E-10	1.6374E-09
2-Nitroaniline	3.7252E-10	1.8343E-10	5.0679E-12	1.96E-10	2.0271E-09
Nitrobenzene	3.4526E-09	1.6868E-09	4.6693E-11	1.839E-09	1.8677E-08
Phenol	0.00054151	4.5796E-05	6.5373E-12	0.0002602	2.6215E-09
Pyrene	4.0063E-08	2.2866E-08	6.1046E-10	1.4533E-08	2.445E-07
1,2,4-Trichlorobenzene	5.1205E-08	2.8758E-08	7.7077E-10	1.9429E-08	3.0883E-07
2,4,5-Trichlorophenol	1.2532E-07	7.6317E-08	1.9559E-09	2.579E-08	7.848E-07
Total Mono CB	1.2453E-08	7.5848E-09	1.9439E-10	2.5623E-09	7.7999E-08
Total Di CB	8.8734E-09	5.4044E-09	1.3851E-10	1.8257E-09	5.5576E-08
Total Tri CB	1.1431E-08	6.9618E-09	1.7842E-10	2.3519E-09	7.1593E-08
Total Tetra CB	8.4387E-09	5.1396E-09	1.3172E-10	1.7363E-09	5.2854E-08
Total Penta CB	7.9272E-09	4.8281E-09	1.2374E-10	1.631E-09	4.965E-08
Total Hex CB	2.864E-08	1.7443E-08	4.4705E-10	5.8928E-09	1.7938E-07
Total Hepta CB	4.3983E-08	2.6788E-08	6.8655E-10	9.0496E-09	2.7548E-07
Total Octa CB	9.9985E-09	6.0896E-09	1.5607E-10	2.0572E-09	6.2623E-08
Total Nona CB	5.0393E-10	3.0394E-10	7.8076E-12	1.0464E-10	3.1528E-09
Total Deca CB	8.4131E-11	5.124E-11	1.3132E-12	1.731E-11	5.2693E-10





