

Preliminary PCB Data (ug/Kg, wet weight, part per billion) for Common Carp Collected from Lake Spokane in September 2014.

Fish ID	641	642	643	644	645	646	647	648	649	650	651	652	660	663	664	Lab
Sample No.	1410029-01	-02	-03	-04	-05	-06	-07	-08	-09	-10	-11	-12	-13	-14	-15	Blank
Length (mm)	681	688	598	798	715	641	655	646	650	699	585	569	791	719	672	NA
Weight (g)	4480	5220	3110	7570	5360	3500	4100	3810	3470	5140	2740	2660	7820	6010	4080	NA
Sex	M	F	M	F	M	F	M	M	M	F	M	M	F	F	M	NA
Age (yrs)	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	NA
% Lipid	7.8	16.2	8.89	5.96	10.5	9.67	13.4	8.16	5.3	9.71	9.18	12.3	11.9	17.7	4.88	< 0.10
Aroclor 1254	580	970	420	260	330	210	410	560	360	360	170	190	350	670	200	< 5.0
Aroclor 1260	320	410	150	160	130	84	160	230	190	190	57	56	160	290	120	< 5.0
Total Aroclors	900	1380	570	420	460	294	570	790	550	550	227	246	510	960	320	< 5.0
Total Congeners	NAF	1361	564	387	NAF	391	NAF	NAF	596	648	NAF	305	625	982	448	0.05

- Original plan from the QAPP was to collect 45 carp of varying sizes to determine PCB concentrations per weight class. Only 18 fish total were collected and the size range was narrow. Analyzed as Individuals instead of composites.
- Data have been reviewed, but some of the congener data still needs to be adjusted to factor in the 3x blank rule as per the QAPP.
- Only Aroclors 1254 and 1260 were reported, but weathered 1248 appeared to be present in most of the samples. Have not looked at congener patterns yet.
- There doesn't appear to be any correlations between PCBs and lipids, size (length or weight), and sex. Still waiting on age data and need to do more statistical analysis.
- Concentrations are high, but keep in mind these are whole fish with high lipid content. Whole suckers from "upper Lake Spokane" in 2005 ranged from 160 – 510 ppb and averaged 191 +/- 52 ppb in 2012.