

WWF Chemical Check-Up Results (September 2004) - CONFIDENTIAL

Personal Results Code: **BUD 13**

Chemicals tested for	Concentration in your sample pg/g Serum
PCBs	
Trichloro,#18	<5
Trichloro,#28/31	11.0
Trichloro,#22	<1
Trichloro,#41	<1
Tetrachloro,#44	2.3
Tetrachloro,#49	1.4
Tetrachloro,#52	3.4
Tetrachloro,#54	<0.5
Tetrachloro,#56/60	<0.5
Tetrachloro,#64	<0.5
Tetrachloro,#70	<1
Tetrachloro,#74	44.0
Pentachloro,#87	11.0
Pentachloro,#90	<0.5
Pentachloro,#99	120.0
Pentachloro,#101	13.0
Pentachloro,#104	0.6
Pentachloro,#105	34.0
Pentachloro,#110	4.5
Pentachloro,#114	5.7
Pentachloro,#118	160.0
Pentachloro,#123	7.7
Hexachloro,#138/158	840.0
Hexachloro,#141	<0.5
Hexachloro,#149	7.3
Hexachloro,#151	7.5
Hexachloro,#153/168	1200.0
Hexachloro,#156	97.0
Hexachloro,#157	24.0
Hexachloro,#167	28.0
Heptachloro,#170	340.0
Heptachloro,#177	55.0
Heptachloro,#180	840.0
Heptachloro,#183	69.0
Heptachloro,#187	290.0
Heptachloro,#188	<1
Heptachloro,#189	15.0
Octachloro,#194	85.0
Octachloro,#199	85.0
Octachloro,#203	71.0

All survey results			Ministers' results
Median*	Maximum	Minimum	Median*
pg/g Serum	pg/g Serum	pg/g Serum	pg/g Serum
ND	5.2	ND	ND
9.1	37.0	ND	11.0
ND	4.1	ND	ND
ND	ND	ND	ND
1.6	7.0	ND	1.3
1.1	6.0	ND	1.1
1.4	6.5	ND	1.6
0.9	3.8	ND	0.9
ND	ND	ND	ND
ND	ND	ND	ND
4.7	8.2	ND	1.1
21.0	57.0	3.1	22.5
1.6	18.0	ND	1.8
ND	ND	ND	ND
20.0	120.0	3.3	20.5
3.9	17.0	ND	3.9
0.7	8.9	ND	0.7
6.6	36.0	1.2	8.3
2.4	17.0	ND	2.2
2.0	20.0	ND	1.9
35.0	160.0	5.3	42.0
2.1	18.0	ND	2.0
170.0	850.0	31.0	175.0
1.1	1.8	ND	1.1
1.9	17.0	ND	2.2
2.5	18.0	ND	2.6
290.0	1200.0	49.0	295.0
24.0	97.0	3.5	27.0
6.0	45.0	ND	6.0
7.6	41.0	1.4	8.7
110.0	580.0	21.0	110.0
15.0	190.0	4.5	15.0
270.0	1300.0	57.0	285.0
20.0	210.0	4.6	20.0
71.0	490.0	17.0	66.5
ND	16.0	ND	ND
4.1	50.0	0.9	4.2
24.0	120.0	6.9	30.5
24.0	160.0	9.1	24.0
26.0	180.0	7.2	26.0

Chemicals tested for	Concentration in your sample pg/g Serum
Organochlorine pesticides	
Alpha HCH	<5
Beta HCH	24.0
Gamma HCH	<5
Hexachlorobenzene	74.0
cis Chlordane	<5
trans Chlordane	<5
o,p' DDT	<5
o,p' DDT	<5
o,p' DDT	<5
p,p' DDE	590.0
p,p' DDD	<5
p,p' DDT	<5
PBDE flame retardants	
17-TriBDPE	<1
28-TriBDPE	<1
32-TriBDPE	<1
35-TriBDPE	<1
37-TriBDPE	<1
47-TetraBDPE	3.8
49/71-TetraBDPE	<1
66-TetraBDPE	<1
75-TetraBDPE	<1
77-TetraBDPE	<1
85-PentaBDPE	<1
99-PentaBDPE	<7
100-PentaBDPE	<1
119-PentaBDPE	<1
126-PentaBDPE	<1
138-HexaBDPE	<2
153-HexaBDPE	11.0
154-HexaBDPE	1.9
156-HexaBDPE	<2
166-HexaBDPE	<2
181-HeptaBDPE	<2
183-HeptaBDPE	<2
184-HeptaBDPE	<2
190-HeptaBDPE	<2
191-HeptaBDPE	<2
196-OctaBDPE	<2
197-OctaBDPE	<2
206-NonaBDPE	<10
207-NonaBDPE	<10
209-DecaBDPE	<10
TOTALS	
Total PCB burden	4472.4
Total OC pesticide burden	688.0
Total PBDE burden	16.7
Total Chemical Burden p/g Serum	5177.1

All survey results			Ministers' results
Median*	Maximum	Minimum	Median*
pg/g Serum	pg/g Serum	pg/g Serum	pg/g Serum
ND	ND	ND	ND
43.0	170.0	ND	44.0
19.0	75.0	ND	19.0
71.0	810.0	12.0	62.5
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
590.0	3600.0	39.0	845.0
8.0	13.0	ND	6.0
9.0	82.0	ND	9.0
pg/g Serum pg/g Serum pg/g Serum pg/g Serum			
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
3.6	9.0	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
1.9	4.0	ND	ND
1.3	1.5	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
2.8	11.0	1.4	2.8
1.9	5.0	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
3.7	6.1	ND	ND
ND	2.8	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
21.0	45.0	ND	ND
pg/g Serum pg/g Serum pg/g Serum pg/g Serum			
1166.8	5470.5	251.1	1198.3
792.0	4248.0	59.0	1096.5
8.0	49.7	1.6	8.4
3006.9	9726.5	337.2	2762.9

	Concentration
Chemicals tested for	in your sample
	ng/g whole blood
Artificial Musk	
HHCB	1.0
AHTN	<1
Phthalates	
DMP	<1
DEP	<4
DisoBP	<20
DBP	<5
BBP	<3
DEHP	60.0
DiNP	<10
DiDP	<10

All survey results			Ministers' results
Median*	Maximum	Minimum	Median*
ng/g blood	ng/g blood	ng/g blood	
1.0	1.0	ND	1.0
ND	ND	ND	ND
ND	ND	ND	ND
ND	ND	ND	ND
6.0	6.0	ND	5.5
110.0	370.0	ND	120.0
ND	ND	ND	ND
ND	ND	ND	ND

	Concentration
	in your sample
	ng/g whole blood
Perfluorinated Compounds	
Perfluorooctanoic acid (PFOA)	NA
Perfluorooctane sulphonate (PFOS)	NA
Perfluorononanoic Acid (PFNA)	NA
Perfluorodecanoic Acid (PFDA)	NA
Perfluoroundecanoic Acid (PFUnA)	NA
Perfluorododecanoic Acid (PFDoA)	NA
Perfluorotetradecanoic Acid	NA
TOTALS ng/g whole blood	
Total Artificial musks	1.0
Total Phthalates burden	60.0
Total Perfluorinates	NA
Total Chemical Burden n/g whole blood	61.0

All survey results			Ministers' results
Median*	Maximum	Minimum	Median*
ng/g whole blood	ng/g whole blood	ng/g whole blood	ng/g whole blood
7.1	39.2	ND	7.1
6.7	51.7	ND	11.4
4.0	7.5	ND	4.0
ND	1.1	ND	ND
ND	ND	ND	ND
1.3	2.4	ND	1.3
7.7	32.7	ND	3.2
Med*	Max	Min	Med*
1.0	1.0	ND	ND
110.0	376.0	ND	120.0
11.9	72.8	1.2	17.1
100.6	381.4	8.9	100.1

Total no. of	
chemicals detected	38

35	43	24	37
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*The median has been calculated from all detected values