B U R B E R R Y
ESTABLISHED 1856

GLOBAL WATER TESTING SUMMARY

Group 2 Detox Test Summary (First 24 Sites)

			1		2		3		4		5				6		7		8		9			10		11		12		13		14		15		16		17			18		19		20		21		22		23		24		
	Chemical substances	**Detection limit**	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	WW before treat 2	WW before treat 3	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming1	Incoming2	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming1	Incoming2	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming 1	Incoming 2	WW before treat 1
Phthalates (Ortho-Phthalates)	Bis (2-ethylhexyl) phthalate (DEHP)	1 ug/L								2																109		9													12						13							104
	Butyl benzyl phthalate (BBP)	1 ug/L										5																													8													
	Di-n-butyl phthalate (DBP)	1 ug/L																										6																										
	Diethyl phthalate	1 ug/L										4																																										
	Dimethyl phthalate	1 ug/L																																																				
	Di-n-octyl phthalate (DNOP)	1 ug/L																																																				
	Di-isononyl phthalate (DINP)	1 ug/L																																																				
	Di-iso-decyl phthalate (DIDP)	1 ug/L																																																				
	Di-isobutyl phthalate (DIBP)	1 ug/L										3																																										
	Di-n-hexyl phthalate	1 ug/L																																																				
	Dimethoxyethyl phthalate (DMEP)	1 ug/L																																																				
	Di-n-propyl phthalate (DPRP)	1 ug/L																																																				
	Di-iso-octyl phthalate (DIOP)	1 ug/L														3																5		4		5																		
	Di-cyclohexyl phthalate (DCHP)	1 ug/L																																																				
	Dinonyl phthalate (DNP)	1 ug/L																																																				
Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)	Nonylphenol	1 ug/L																																																			
	Octylphenol	1 ug/L																																																			
	Nonylphenol monoethoxylates, NP1EO	5 ug/L																																31																				
	Nonylphenol diethoxylates, NP2EO	5 ug/L																																31																				
	Octylphenol monoethoxylates, OP1EO	5 ug/L																																																			
	Octylphenol monoethoxylates, OP2EO	5 ug/L																																																			
	Nonylphenolethoxylates, n=4 to n=15	5 ug/L				7				9		30	45	26													88								6							15		98						8.2					
	Octylphenolethoxylates, n=4 to n= 15	5 ug/L																																																			
Perfluorinated Chemicals (PFCs)	Perfluorooctanoic acid (PFOA)	0.01 µg/L													0.04	0.14																																					
	Perfluorooctane sulphonates (PFOS)	0.01 µg/L																																																			
	Perfluoro-n-hexanoic acid (PFHxA)	0.01 µg/L																																																			
	Perfluorohexane sulphonates (PFHxS)	0.01 µg/L																																																			
	Perfluorobutanoic acid (PFBA)	0.01 µg/L																																																			
	Perfluorobutane sulphonates (PFBS)	0.01 µg/L																																																			
Brominated And Chlorinated Flame Retardants	Polybromodiphenyl ethers (PBDEs)	0.05 ug/L																																																			
	Polybromobiphenyls (PBBs)	0.05 ug/L																																																			
	Tris(2,3-dibromopropyl) phosphate (TRIS)	0.5 ug/L																																																			
	Tetrabromobisphenol A (TBBPA)	0.5 ug/L																																																			
	Tris(2-chloroethyl) phosphate (TCEP)	0.05 ug/L																																																			
	Bis(2,3-dibromopropyl) phosphate	0.5 ug/L																																																			
	Hexabromocyclododecane (HBCDD)	0.5 ug/L																																																			
	2,2-Bis(bromomethyl)-1,3-propanediol (BBMP)	0.5 ug/L																																																			
	Tris(1,3-dichloro-isopropyl) phosphate (TDCP)	0.05 ug/L																																																			
Azo Dyes	1,4-Phenylenediamine	0.1 ug/L																																																			
	2,4,5-Trimethylaniline	0.1 ug/L																																																			
	2,4-Diaminoanisole	0.1 ug/L																																																			
	2,4-Diaminotoluene	0.1 ug/L																																																			
	2,4-Xylidine	0.1 ug/L																																																			
	2,6-Xylidine	0.1 ug/L																																																			
	2-Chloroaniline	0.1 ug/L																																																			
	2-Naphthylamine	0.1 ug/L																																																			
	3,3'-Dichlorobenzidine	0.1 ug/L																																																			
	3,3'-Dimethoxybenzidine	0.1 ug/L																																																			
	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	0.1 ug/L																																																			
	3,3'-Dimethylbenzidine	0.1 ug/L																																																			
	4,4'-Diaminodiphenylmethane	0.1 ug/L																																																			
	4,4'-Methylene-bis(2-chloroaniline)	0.1 ug/L																																																			
	4,4'-Oxydianiline	0.1 ug/L																																																			
	4,4'-Thiodianiline	0.1 ug/L																																																			
	4-Aminobiphenyl	0.1 ug/L																																																			
	4-Chloroaniline	0.1 ug/L																																																			
	4-Chloro-o-toluidine	0.1 ug/L																																																			
	5-Nitro-o-anisidine	0.1 ug/L																																																			
	5-Nitro-o-toluidine	0.1 ug/L																																																			
	4-Aminoazobenzene	0.1 ug/L																																																			
	Aniline	0.1 ug/L								2.3																					1						1.7																		
	Benzidine	0.1 ug/L																																																			
	m-Toluidine	0.1 ug/L																																																			
	n,n-Diethylanaline	0.1 ug/L																																																			
	n-Ethylaniline	0.1 ug/L																																																			
	n-Methylaniline	0.1 ug/L																																																			
	o-Aminoazotoluene	0.1 ug/L																																																			
	o-Anisidine	0.1 ug/L																																																			
	o-Toluidine	0.1 ug/L																																																			
	p-Cresidine	0.1 ug/L																																																			
	p-Toluidine	0.1 ug/L																																																			
Organotin Compounds	Monobutyltin	0.01 ug/L											5.8	11.7																																							
	Dibutyltin	0.01 ug/L											17.1	21.6																																							
	Tributyltin	0.01 ug/L																																																			
	Tetrabutyltin	0.01 ug/L																																																			
	Monooctyltin	0.01 ug/L																																																			
	Dioctyltin	0.01 ug/L																																																			
	Triphenyltin	0.01 ug/L																																																			
	Tricyclohexyltin	0.01 ug/L																																																			
	Trioctyltin	0.01 ug/L																																																			
	Tripropyltin	0.01 ug/L																																																			
	Chlorobenzene	0.02 ug/L																																																			
	4-Chlorotoluene	0.02 ug/L																																																			
	1,2-Dichlorobenzene	0.02 ug/L																12				0.03			0.06															0.01	0.32	0.34							0.19	0.25					
	1,3-Dichlorobenzene	0.02 ug/L				0.94		1.1										2.16																						0.05															

Chlorinated Benzenes	1,4-Dichlorobenzene	0.02 ug/L								1.3								30		0.09		0.06			0.14				
	1,2,4-Trichlorobenzene	0.02 ug/L																				0.04							
	1,2,3-Trichlorobenzene	0.02 ug/L																											
	1,3,5-Trichlorobenzene	0.02 ug/L		1.3																									
	1,2,3,4-Tetrachlorobenzene	0.02 ug/L																											
	1,2,3,5-Tetrachlorobenzene	0.02 ug/L																											
	1,2,4,5-Tetrachlorobenzene	0.02 ug/L																											
	Pentachlorobenzene	0.02 ug/L																											
	Hexachlorobenzene	0.02 ug/L																											
Chlorinated Solvents	Bromodichloromethane	1 ug/L													4.4	2.5													
	Bromoform	1 ug/L													1.8	1.3													
	Carbon tetrachloride	1 ug/L																											
	Chlorodibromomethane	1 ug/L													5.3	3													
	Chloroethane	1 ug/L																											
	Chloroform	1 ug/L													4.5	2.8													
	Dibromomethane	1 ug/L																											
	1,1-Dichloroethane	1 ug/L																											
	1,2-Dichloroethane	1 ug/L																											
	1,1-Dichloroethene	1 ug/L																											
	cis-1,2-Dichloroethene	1 ug/L																											
	trans-1,2-Dichloroethene	1 ug/L																											
	trans-1,3-Dichloropropene	1 ug/L																											
	Hexachlorobutadiene	1 ug/L																											
	Methylene chloride	1 ug/L																											
	1,1,2,2-Tetrachloroethane	1 ug/L																											
	Tetrachloroethene	1 ug/L																											
	1,1,1-Trichloroethane	1 ug/L																											
	Trichloroethene	1 ug/L																											
	Vinyl chloride	1 ug/L																											
	Hexachloroethane	1 ug/L																											
	1,1,1,2-Tetrachloroethane	1 ug/L																											
	1,1,2-Trichloroethane	1 ug/L																											
Chlorophenols	4-Chloro-3-methylphenol	0.5 ug/L																											
	2-Chlorophenol	0.5 ug/L																											
	2,4-Dichlorophenol	0.5 ug/L																											
	2,5-Dichlorophenol	0.5 ug/L																											
	2,6-Dichlorophenol	0.5 ug/L																											
	Pentachlorophenol (PCP)	0.5 ug/L								0.5																			
	2,3,4,6-Tetrachlorophenol	0.5 ug/L																											
	2,4,5-Trichlorophenol	0.5 ug/L																											
	2,4,6-Trichlorophenol	0.5 ug/L																											
	2,3,4,5-Tetrachlorophenol	0.5 ug/L																											
	2,3,5,6-Tetrachlorophenol	0.5 ug/L																											
	Tetrachlorophenols (TeCP)	0.5 ug/L																											
	2,3,4-Trichlorophenol	0.5 ug/L																											
	2,3,5-Trichlorophenol	0.5 ug/L																											
	3,4,5-Trichlorophenol	0.5 ug/L																											
	3,5- Dichlorophenol	0.5 ug/L																											
	2,3-Dichlorophenol	0.5 ug/L																											
	3,4-Dichlorophenol	0.5 ug/L																											
	3-chlorophenol	0.5 ug/L																											
	4-chlorophenol	0.5 ug/L																											
Short-Chained Chlorinated Paraffins (SCCPs)	Short chain chlorinated paraffins (SCCPs)	0.4 ug/L												38.4															
Heavy Metals	Lead, Pb	1 ug/L	6	6	3	4	2	19	6	41	1	5	3	3									6			3	4		
	Cadmium, Cd	0.1 ug/L	0.2	0.6		0.3	0.2	0.3	0.4	0.6																			
	Mercury, Hg	0.05 ug/L	0.7	1.1	2.9	7				1.3	0.4	0.4	0.7	0.9															
	Antimony, Sb	1 ug/L	6	635	8	348	4	241	9	245	2	4	19	3	1.5	1.5											32		
	Arsenic, As	1 ug/L		2	1	2		1		3		3	4	3			3				2	3	19	2	3			10	
	Chromium, Cr (total)	1 ug/L		8	3	6	2	264	5	292	2	5	32	4		4		51								7	9		
	Cobalt, Co	1 ug/L		5		3		50		19																			
	Copper, Cu	1 ug/L	265	307	93	96	105	185	196	292	29	43	59	41		20		30			13		42		2	14	73		
	Nickel, Ni	1 ug/L	2	7	2	5	2	19	2	22	1	6	8	13	3.5	9							6			3	53		
	Zinc, Zn	1 ug/L	280	842	138	319	145	575	242	942	47	151	1849	540	10	19		610	15	12	5		75		9	107	110		52
	Total Manganese	1 ug/L	5	10	9	19	4	267	25	364		11	50	370	7	2.7					17		90			5	28		
	Chromium, hexavalent, Cr(VI)	1 ug/L																											
	Cyanide (CN-)	20 ug/L																											

1,4-Dichlorobenzene											0.06						0.15									
1,2,4-Trichlorobenzene																										
1,2,3-Trichlorobenzene																										
1,3,5-Trichlorobenzene																										
1,2,3,4-Tetrachlorobenzene																										
1,2,3,5-Tetrachlorobenzene																										
1,2,4,5-Tetrachlorobenzene																										
Pentachlorobenzene																										
Hexachlorobenzene																										
Bromodichloromethane			4		2	1																				
Bromoform																										
Carbon tetrachloride																										
Chlorodibromomethane			2																							
Chloroethane																										
Chloroform			5	5	8	6																				
Dibromomethane																										
1,1-Dichloroethane		24																								
1,2-Dichloroethane		16																								
1,1-Dichloroethene																										
cis-1,2-Dichloroethene		54																								
trans-1,2-Dichloroethene		3																								
trans-1,3-Dichloropropene																										
Hexachlorobutadiene																										
Methylene chloride			2	4	1	2	12	11																		
1,1,2,2-Tetrachloroethane																										
Tetrachloroethene																										
1,1,1-Trichloroethane																										
Trichloroethene																										
Vinyl chloride																										
Hexachloroethane																										
1,1,1,2-Tetrachloroethane																										
1,1,2-Trichloroethane																										
4-Chloro-3-methylphenol																										
2-Chlorophenol																										
2,4-Dichlorophenol																										
2,5-Dichlorophenol																										
2,6-Dichlorophenol																										
Pentachlorophenol (PCP)																										
2,3,4,6-Tetrachlorophenol																										
2,4,5-Trichlorophenol																										
2,4,6-Trichlorophenol																										
2,3,4,5-Tetrachlorophenol																										
2,3,5,6-Tetrachlorophenol																										
Tetrachlorophenols (TeCP)																										
2,3,4-Trichlorophenol																										
2,3,5-Trichlorophenol																										
3,4,5-Trichlorophenol																										
3,5- Dichlorophenol																										
2,3-Dichlorophenol																										
3,4-Dichlorophenol																										
3-chlorophenol																										
4-chlorophenol																										
Short chain chlorinated paraffins (SCCPs)																										
Lead, Pb		2						1.3				4.3	7.6		1.6			7	51	1.7	2.9	5	8.2			5
Cadmium, Cd													0.3													
Mercury, Hg																										
Antimony, Sb			2	1								2.7	37	3.6	5.5				3	4.2	4.5	2.8	4.2			12
Arsenic, As		2.1						1.2										2	2		1.3		3.8			2
Chromium, Cr (total)	5.4	142	4	118				2		6		2.2	42.3	2.4	22.6			6	12	1.6	6.8	5.1	27.8	83		168
Cobalt, Co		5											12.5		3.7											3
Copper, Cu		8				2	2	8		7		42.6	287.2	25.6	28.8			27	70	24.7	96.4	19.6	40.1			
Nickel, Ni		2.3	1			1		1.6				1.6	7.4	1.5	3.5			2	24	2.8	3.5	2.3	4.1	1	4	17
Zinc, Zn	11	131	13	14	81	66	5	33				139.5	242.1	54.3	81			163	358	46.1	103.5	179	401			87
Total Manganese		33		66	7	8		18	10	1800	707	7	30	118.7	82		20	6	32	3.4	5.8	9.3	47.2		3	79
Chromium, hexavalent, Cr(VI)																										
Cyanide (CN-)																										