BURBERRY

ESTABLISHED 1856

GLOBAL WATER TESTING SUMMARY

Group 2 Detox Test Summary (Second 23 Sites)

			25		26		27		28		29		30		31		32	
	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	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1
Phthalates (Ortho-Phthalates)	Bis (2-ethylhexyl) phthalate (DEHP)	1 ug/L		6			9.6	2.2				2.6		1.0		1.1		16
	Butyl benzyl phthalate (BBP)	1 ug/L																
	Di-n-butyl phthalate (DBP)	1 ug/L												1.8				
	Diethyl phthalate	1 ug/L																
	Dimethyl phthalate	1 ug/L										17						
	Di-n-octyl phthalate (DNOP)	1 ug/L																
	Di-isononyl phthalate (DINP)	1 ug/L						1.6	2.5			1.4						
	Di-iso-decyl phthalate (DIDP)	1 ug/L																
	Di-isobutyl phthalate (DIBP)	1 ug/L					1.3			2.3	1.0	1.8						
	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																
	Di-cyclohexyl phthalate (DCHP)	1 ug/L																
	Dinonyl phthalate (DNP)	1 ug/L																
Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)	Nonylphenol	1 ug/L								1.3								
	Octylphenol	1 ug/L																
	Nonylphenol monoethoxylates, NP1EO	5 ug/L																
	Nonylphenol diethoxylates, NP2EO	5 ug/L																
	Octylphenol monoethoxylates, OP1EO	5 ug/L																
	Octylphenol monoethoxylates, OP2EO	5 ug/L																
	Nonylphenolethoxylates, n=4 to n=15	5 ug/L				28				280								
	Octylphenolethoxylates, n=4 to n= 15	5 ug/L																
Perfluorinated Chemicals (PFCs)	Perfluorooctanoic acid (PFOA)	0.01 µg/L																
	Perfluorooctane sulphonates (PFOS)	0.01 µg/L				0.27										0.27		
	Perfluoro-n-hexanoic acid (PFHxA)	0.01 µg/L																
	Perfluorohexane sulphonates (PFHxS)	0.01 µg/L				0.13								0.054		0.040		
	Perfluorobutanoic acid (PFBA)	0.01 µg/L												0.036				
	Perfluorobutane sulphonates (PFBS)	0.01 µg/L								0.019						0.027		
Brominated And Chlorinated Flame Retardants	Polybromodiphenyl ethers (PBDEs)	0.05 ug/L				0.02												
	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														0.46		14
	2,4-Diaminoanisole	0.1 ug/L													0.33			0.21
	2,4-Diaminotoluene	0.1 ug/L																
	2,4-Xylidine	0.1 ug/L														0.10		
	2,6-Xylidine	0.1 ug/L								0.18					Σ 0.53			
	2-Chloroaniline	0.1 ug/L																
	2-Naphthylamine	0.1 ug/L				0.32		1.02							0.19			
	3,3'-Dichlorobenzidine	0.1 ug/L																
	3,3'-Dimethoxybenzidine	0.1 ug/L					0.91	0.91					0.36		0.18			
	3,3'-Dimethyl-4,4'-diaminodiphenylmethane	0.1 ug/L																
	3,3'-Dimethylbenzidine	0.1 ug/L																
	4,4'-Diaminodiphenylmethane	0.1 ug/L						0.13										
	4,4'-Methylene-bis(2-chloroaniline)	0.1 ug/L				0.84		0.93										
	4,4'-Oxydianiline	0.1 ug/L					0.66						0.28		0.18			
	4,4'-Thiodianiline	0.1 ug/L																
	4-Aminobiphenyl	0.1 ug/L																
	4-Chloroaniline	0.1 ug/L					0.35								0.29			
	4-Chloro-o-toluidine	0.1 ug/L												0.19				1.3
	5-Nitro-o-anisidine	0.1 ug/L													0.59			
	5-Nitro-o-toluidine	0.1 ug/L																
	4-Aminoazobenzene	0.1 ug/L																
	Aniline	0.1 ug/L																
	Benzidine	0.1 ug/L			0.27	3.03	0.55	43.6	0.17	1.83			0.13	7.18	0.57	7.76		1.8
	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															0.37	
	o-Aminoazotoluene	0.1 ug/L														0.20		2.9
	o-Anisidine	0.1 ug/L																
	o-Toluidine	0.1 ug/L				0.11									0.45			
	p-Cresidine	0.1 ug/L																36
	p-Toluidine	0.1 ug/L													0.20			
	Monobutyltin	0.01 ug/L																
	Dibutyltin	0.01 ug/L												0.04				
	Tributyltin	0.01 ug/L																
	Tetrabutyltin	0.01 ug/L																

			33		34		35		36		37		38		39		40	
	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	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1
Phthalates (Ortho-Phthalates)	Bis (2-ethylhexyl) phthalate (DEHP)	1 ug/L		3.1														
	Butyl benzyl phthalate (BBP)	1 ug/L																
	Di-n-butyl phthalate (DBP)	1 ug/L																
	Diethyl phthalate	1 ug/L										1.7						
	Dimethyl phthalate	1 ug/L						28						1.5				
	Di-n-octyl phthalate (DNOP)	1 ug/L																
	Di-isononyl phthalate (DINP)	1 ug/L		5.9								92						
	Di-iso-decyl phthalate (DIDP)	1 ug/L																
	Di-isobutyl phthalate (DIBP)	1 ug/L										4.8		2.6				
	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																
	Di-cyclohexyl phthalate (DCHP)	1 ug/L																
	Dinonyl phthalate (DNP)	1 ug/L																
Alkylphenol ethoxylates / Alkylphenols (APEOs/APs)	Nonylphenol	1 ug/L				13		1.4				2.8				1.2		
	Octylphenol	1 ug/L																
	Nonylphenol monoethoxylates, NP1EO	5 ug/L																
	Nonylphenol diethoxylates, NP2EO	5 ug/L																
	Octylphenol monoethoxylates, OP1EO	5 ug/L																
	Octylphenol monoethoxylates, OP2EO	5 ug/L																
	Nonylphenolethoxylates, n=4 to n=15	5 ug/L		292								504		22				
	Octylphenolethoxylates, n=4 to n= 15	5 ug/L																
Perfluorinated Chemicals (PFCs)	Perfluorooctanoic acid (PFOA)	0.01 µg/L					0.013	0.026										
	Perfluorooctane sulphonates (PFOS)	0.01 µg/L				0.01				0.01	0.012	0.027						
	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												0.95		0.78		
	2,4-Diaminoanisole	0.1 ug/L																
	2,4-Diaminotoluene	0.1 ug/L								0.1								
	2,4-Xylidine	0.1 ug/L								0.1								
	2,6-Xylidine	0.1 ug/L												0.24				
	2-Chloroaniline	0.1 ug/L																
	2-Naphthylamine	0.1 ug/L								0.1						0.13		
	3,3'-Dichlorobenzidine	0.1 ug/L																
	3,3'-Dimethoxybenzidine	0.1 ug/L				0.24												
	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						0.11		0.2								
	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				0.31												
	4-Chloro-o-toluidine	0.1 ug/L				3.37		1.94										
	5-Nitro-o-anisidine	0.1 ug/L				0.17												
	5-Nitro-o-toluidine	0.1 ug/L																
	4-Aminoazobenzene	0.1 ug/L																
	Aniline	0.1 ug/L																
	Benzidine	0.1 ug/L	0.52	1.83	0.24	2.92	0.15	2.20	0.7	5.4	0.18	1.57	0.69	1.43	0.61	1.43		
	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														0.76		
	p-Cresidine	0.1 ug/L				0.24												
	p-Toluidine	0.1 ug/L								0.8								
	Monobutyltin	0.01 ug/L																
	Dibutyltin	0.01 ug/L		0.02					0.195	0.064								
	Tributyltin	0.01 ug/L							0.011									
	Tetrabutyltin	0.01 ug/L																

			41		42		43		44		45		46		47		48	
	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	Incoming	WW before treat 1	Incoming	WW before treat 1	Incoming	WW before treat 1
Phthalates (Ortho-Phthalates)	Bis (2-ethylhexyl) phthalate (DEHP)	1 ug/L				1.7			3.8	7.4								
	Butyl benzyl phthalate (BBP)	1 ug/L																
	Di-n-butyl phthalate (DBP)	1 ug/L								1.3								
	Diethyl phthalate	1 ug/L																
	Dimethyl phthalate	1 ug/L																
	Di-n-octyl phthalate (DNOP)	1 ug/L																
	Di-isononyl phthalate (DINP)	1 ug/L								28								
	Di-iso-decyl phthalate (DIDP)	1 ug/L																
	Di-isobutyl phthalate (DIBP)	1 ug/L							1.1	26								
	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																
	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						63 (NPEO1+2)										
	Nonylphenol diethoxylates, NP2EO	5 ug/L																
	Octylphenol monoethoxylates, OP1EO	5 ug/L																
	Octylphenol monoethoxylates, OP2EO	5 ug/L																
	Nonylphenolethoxylates, n=4 to n=15	5 ug/L						75		260								
	Octylphenolethoxylates, n=4 to n= 15	5 ug/L																
Perfluorinated Chemicals (PFCs)	Perfluorooctanoic acid (PFOA)	0.01 µg/L								15								
	Perfluorooctane sulphonates (PFOS)	0.01 µg/L			0.010	0.014		0.01		0.065				0.01		0.04		
	Perfluoro-n-hexanoic acid (PFHxA)	0.01 µg/L																
	Perfluorohexane sulphonates (PFHxS)	0.01 µg/L		0.184												0.01		
	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			0.012													
	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							0.10									
	2,4-Diaminotoluene	0.1 ug/L						0.20										
	2,4-Xylidine	0.1 ug/L		0.13														
	2,6-Xylidine	0.1 ug/L																
	2-Chloroaniline	0.1 ug/L																
	2-Naphthylamine	0.1 ug/L										0.18						
	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									0.16							
	4,4'-Diaminodiphenylmethane	0.1 ug/L																
	4,4'-Methylene-bis(2-chloroaniline)	0.1 ug/L												0.84		82		
	4,4'-Oxydianiline	0.1 ug/L																
	4,4'-Thiodianiline	0.1 ug/L														0.2		
	4-Aminobiphenyl	0.1 ug/L																
	4-Chloroaniline	0.1 ug/L											0.14					
	4-Chloro-o-toluidine	0.1 ug/L				2.3								0.42				
	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																
	Benzidine	0.1 ug/L	0.50			4.1	0.98	6.4	28	20	0.48		0.42	1.63		1.0		
	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							0.14									
	p-Cresidine	0.1 ug/L																
	p-Toluidine	0.1 ug/L				0.5												
	Monobutyltin	0.01 ug/L																
	Dibutyltin	0.01 ug/L									0.13							
	Tributyltin	0.01 ug/L																
	Tetrabutyltin	0.01 ug/L																

Organotin Compounds	Monooctyltin	0.01 ug/L																																																
	Dioctyltin	0.01 ug/L																		0.03																														
	Triphenyltin	0.01 ug/L																																																
	Tricyclohexyltin	0.01 ug/L																																																
	Trioctyltin	0.01 ug/L																																																
	Tripropyltin	0.01 ug/L																																																
Chlorinated Benzenes	Chlorobenzene	0.02 ug/L					0.02																																											
	4-Chlorotoluene	0.02 ug/L																																																
	1,2-Dichlorobenzene	0.02 ug/L																																																
	1,3-Dichlorobenzene	0.02 ug/L																0.80																												0.16					
	1,4-Dichlorobenzene	0.02 ug/L																														0.05																			
	1,2,4-Trichlorobenzene	0.02 ug/L																0.07																																
	1,2,3-Trichlorobenzene	0.02 ug/L																																																
	1,3,5-Trichlorobenzene	0.02 ug/L																0.03																																
	1,2,3,4-Tetrachlorobenzene	0.02 ug/L																																																
	1,2,3,5-Tetrachlorobenzene	0.02 ug/L																0.03																																
	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																																																
	Bromoform	1 ug/L					18																																											
	Carbon tetrachloride	1 ug/L																																																
	Chlorodibromomethane	1 ug/L																																																
	Chloroethane	1 ug/L					5																																											
	Chloroform	1 ug/L																																																
	Dibromomethane	1 ug/L					57	24		18											1	1				2					1	3														3					
	1,1-Dichloroethane	1 ug/L																																																
	1,2-Dichloroethane	1 ug/L																																	11															
	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																																	8															
	1,1,2,2-Tetrachloroethane	1 ug/L																																																
	Tetrachloroethene	1 ug/L																																																
	1,1,1-Trichloroethane	1 ug/L										17		30	4.1	0.5					2	48					3	4	4	240					29			6	1200	100										
	Trichloroethene	1 ug/L																																																
	Vinyl chloride	1 ug/L					12																							2																				
	Hexachloroethane	1 ug/L					6																												7	10														
	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										0.8				8.3																																		
	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																																																
	2,3,4,6-Tetrachlorophenol	0.5 ug/L				5.7																																												
	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								4																																								
Short-Chained Chlorinated Paraffins (SCCPs)	Short chain chlorinated paraffins (SCCPs)	0.4 ug/L								4														2																										
Heavy Metals	Lead, Pb	1 ug/L																		0.7																														
	Cadmium, Cd	0.1 ug/L				1.1	1.2		2.2	2.7		1.4		3.1		1.2		1.2		2.3		2.6	2.9	4.5		2.3	2.2	2.1		3.5		2.4				3.0		2.2		2.9	1.5	4.7			11	9	1.9	1.4		
	Mercury, Hg	0.05 ug/L																																																
	Antimony, Sb	1 ug/L										0.13					0.34	0.33		0.26						0.17				0.15					0.12	0.15		0.18			0.27						0.42	1.4		
	Arsenic, As	1 ug/L						2.1	4.4					21								120	8.2	12			2.5					4.8						12		2.8			2.4					10		
	Chromium, Cr (total)	1 ug/L					4.5	10	14	5.0	3.2	3.2	7.0	8.2	3.7	3.4			3.8	4.2	4.7	8.9	3.8	2.8	1.4	2		2.9		2.2	2.2	2.2			2.6				7.6	10	2.3	3.7	4.5	5.6	3.5	2.9	2.8	2.2		
	Cobalt, Co	1 ug/L				19		9.6	5.5	59				25	5.9	240	36	23	2.6	4.7		8.4	7.9	9.7		98	12	190	9.4	280		66				6.8		108		500	4.2	1800	3.2	11		5		54		
	Copper, Cu	1 ug/L											11	53				2.9					32	47						2.3					11	160		7.4										3.9		
	Nickel, Ni	1 ug/L	3		3.9	110	4.9	19	14	74	7.9	16			7.2	20	24	84	11	30		400			9.8	64	16	18	23	35	5.6	15					6	520	8.0	35	8.7	10	19	8.9	6.3	130	12	76		
	Zinc, Zn	1 ug/L		116		4.2	11	8.3	6.2	6.0		4.1		3.8		3.1				3.5		5.2	8.7	7.4		4.3	11	13	9.3	66		4.0								6.8	3.5	8.4	4.9	4.2		4.4	14			
	Total Manganese	1 ug/L		23	5.1	180	32	32	370	600	8.8	46	21	170	170	140	28	82	10	48	8.5	310	51	1800	11	6900	76	120	180	670	16	170			210	52	7.5	80	62	160	24	170	22	22	2300	36	58	36		
	Chromium, hexavalent, Cr(VI)	1 ug/L				9.5	5.3	18	16	4.1			6.1	13		15	8.8	30	13	14	23	26	10	9.1	17	17		16	17	100	1300	500				4.7	8.9	29		16	150	43		5.6	34	38	23	33		
	Cyanide (CN-)	20 ug/L																																																