

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone:		S 9	MARLBOROUGH			Zone No.: 216		
						Population: 10580		
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value (all samples)			No. of Samples		
Date extracted: 10/04/2015								
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Coliform bacteria	no./100ml	0	0	0	0	24	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	24	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	13	0	0
Colony count 22°C	cfu/ml	-	0	2.917	18	12	0	0
Colony count 37°C	cfu/ml	-	0	0.917	10	12	0	0
Residual Disinfectant	mg/l	-	0.25	0.384	0.51	24	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.200	<0.750	<0.800	12	0	0
Hydrogen Ion	pH	6.50-9.50	7.2	7.325	7.6	12	0	0
Turbidity	FTU	4	<0.060	<0.067	<0.070	12	0	0
Conductivity at 20°C	uS/cm	2500	530	542.333	563	12	0	0
Ammonium as NH4	mg/l	0.5	<0.020	<0.029	<0.030	13	0	0
Chloride as Cl	mg/l	250	15.66	16.223	16.94	8	0	0
Sodium as Na	mg/l	200	5.5	6.056	7.1	9	0	0
Sulphate as SO4	mg/l	250	11.1	15.538	17.8	8	0	0
Nitrate as NO3	mg/l	50	31.5	35.925	40.1	8	0	0
Nitrite as NO2	mg/l	0.5	<0.010	<0.010	<0.010	8	0	0
Nitrate/Nitrite calculation	mg/l	1	0.63	0.719	0.8	8	0	0
Total Organic Carbon as C	mg/l	-	0.3	0.538	0.8	13	0	0
Total Hardness as CaCO3	mg/l	N/A	273	291	301	3	0	0
Odour (quantatative)	dilution no.	0	0	0	0	6	0	0
Taste (quantatative)	dilution no.	0	0	0	0	6	0	0
Iron as Fe	ug/l	200	<2.000	2.175	3.4	12	0	0
Manganese as Mn	ug/l	50	<0.800	<0.800	<0.800	8	0	0
Aluminium as Al	ug/l	200	<1.400	2.713	6.9	8	0	0
Antimony as Sb	ug/l	5	<0.800	<0.800	<0.800	8	0	0
Arsenic as As	ug/l	10	<0.300	0.313	0.4	8	0	0
Cadmium as Cd	ug/l	5	<0.100	<0.100	<0.100	8	0	0
Chromium as Cr	ug/l	50	<0.900	0.95	1.2	8	0	0
Copper as Cu	mg/l	2	0.016	0.029	0.069	8	0	0
Lead as Pb	ug/l	10	<0.200	0.6	0.9	8	0	0
Mercury as Hg	ug/l	1	<0.040	<0.082	<0.090	13	0	0
Nickel as Ni	ug/l	20	<1.300	<1.300	<1.300	8	0	0
Fluoride as F	mg/l	1.5	0.066	0.09	0.115	8	0	0
Selenium as Se	ug/l	10	<0.800	<0.800	<0.800	8	0	0
Boron as B	mg/l	1	0.011	0.013	0.016	8	0	0
Bromate as BrO3	ug/l	10	<0.700	<0.700	<0.700	13	0	0
Cyanide as CN	ug/l	50	<0.700	<0.700	<0.700	13	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0	0	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	8	0	0
Trihalomethanes	ug/l	100	1.9	3.288	5.2	8	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0	0	8	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	8	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.263	<0.300	8	0	0

NOTE: PCV = Prescribed Concentration or Value

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: S 9			MARLBOROUGH			Zone No.: 216		
						Population: 10580		
Time Period: 01/01/2014 to 31/12/2014			Concentration or Value			No. of Samples		
Date extracted: 10/04/2015			(all samples)					
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Benzene	ug/l	1	<0.100	<0.100	<0.100	8	0	0
Atrazine	ug/l	0.1	<0.005	<0.005	<0.005	13	0	0
Bentazone	ug/l	0.1	<0.005	0.006	0.011	13	0	0
Bromoxynil	ug/l	0.1	<0.002	<0.005	<0.005	13	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	13	0	0
Chlortoluron	ug/l	0.1	<0.003	0.004	0.01	13	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	13	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	13	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	13	0	0
Dichlorprop	ug/l	0.1	<0.002	<0.004	<0.006	13	0	0
Diuron	ug/l	0.1	<0.003	<0.003	<0.003	13	0	0
Fluroxypyr	ug/l	0.1	<0.003	<0.005	<0.006	13	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	13	0	0
Ioxynil	ug/l	0.1	<0.002	<0.005	<0.005	13	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	13	0	0
Mecoprop	ug/l	0.1	<0.003	<0.006	<0.008	13	0	0
MCPA	ug/l	0.1	<0.002	<0.005	<0.006	13	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	13	0	0
Pentachlorophenol	ug/l	0.1	<0.002	<0.004	<0.004	13	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	13	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	13	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	13	0	0
Simazine	ug/l	0.1	<0.005	<0.005	<0.005	13	0	0
2,4,5-T	ug/l	0.1	<0.003	<0.005	<0.005	13	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	13	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	13	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	13	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	13	0	0
Picloram	ug/l	0.1	<0.005	<0.007	<0.008	13	0	0
Triclopyr	ug/l	0.1	<0.003	<0.005	<0.005	13	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	13	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	13	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	13	0	0
Metaldehyde	ug/l	0.1	<0.005	<0.006	<0.006	13	0	0
Total Pesticides	ug/l	0.5	0	0.002	0.016	13	0	0

NOTE: PCV = Prescribed Concentration or Value

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone:	S 9	MARLBOROUGH	Zone No.:	216
			Population:	10580
Time Period: 01/01/2014 to 31/12/2014				
Date extracted: 10/04/2015				

Commentary on Water Quality:

Excellent quality water with no infringements to report for the Water Supply Zone.

NOTES:

For some parameters, monitoring occurs at the supplying Water Treatment Works rather than the Water Supply Zone