

THAMES WATER UTILITIES
WATER QUALITY REPORT - 2014 DATA

Water Supply Zone: SLW22 WEST CROYDON			Zone No.: 114			Population: 86951		
Time Period: 01/01/2014 to 31/12/2014 Date extracted: 10/04/2015			Concentration or Value (all samples)			No. of Samples		% of samples contravening PCV
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra- vening	
Coliform bacteria	no./100ml	0	0	0	0	230	0	0
<i>E. coli</i>	no./100ml	0	0	0	0	230	0	0
<i>Enterococci</i>	no./100ml	0	0	0	0	8	0	0
<i>Clostridium perfringens</i>	no./100ml	0	0	0	0	355	0	0
Colony count 22°C	cfu/ml	-	0	1.582	73	79	0	0
Colony count 37°C	cfu/ml	-	0	2.114	96	79	0	0
Residual Disinfectant	mg/l	-	0.1	0.435	0.75	231	0	0
Colour (Pt/Co scale)	mg/lPt/Co	20	<0.800	1.194	3.7	77	0	0
Hydrogen Ion	pH	6.50-9.50	7.2	7.53	8	77	0	0
Turbidity	FTU	4	0.05	0.075	0.13	77	0	0
Conductivity at 20°C	uS/cm	2500	518	561.429	612	77	0	0
Ammonium as NH4	mg/l	0.5	<0.020	0.087	0.17	77	0	0
Chloride as Cl	mg/l	250	27.49	34.127	44.69	10	0	0
Sodium as Na	mg/l	200	15.2	22.113	28.7	8	0	0
Sulphate as SO4	mg/l	250	22.2	34.67	48.1	10	0	0
Nitrate as NO3	mg/l	50	12.7	24.034	28.6	77	0	0
Nitrite as NO2	mg/l	0.5	<0.010	0.011	0.03	77	0	0
Nitrate/Nitrite calculation	mg/l	1	0.25	0.481	0.57	77	0	0
Total Organic Carbon as C	mg/l	-	0.1	1.277	3.8	26	0	0
Total Hardness as CaCO3	mg/l	N/A	235	276	292	4	0	0
Odour (quantatative)	dilution no.	0	0	0	0	39	0	0
Taste (quantatative)	dilution no.	0	0	0	0	39	0	0
Iron as Fe	ug/l	200	1	2.978	13.7	77	0	0
Manganese as Mn	ug/l	50	<0.200	0.766	1.2	77	0	0
Aluminium as Al	ug/l	200	<1.400	4.958	9.4	77	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	0.675	1.2	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	0.989	1.2	9	0	0
Copper as Cu	mg/l	2	<0.004	0.01	0.018	8	0	0
Lead as Pb	ug/l	10	<0.200	1.763	4.8	8	0	0
Mercury as Hg	ug/l	1	<0.090	<0.092	<0.120	26	0	0
Nickel as Ni	ug/l	20	<1.300	<1.300	<1.300	8	0	0
Fluoride as F	mg/l	1.5	0.085	0.121	0.158	8	0	0
Selenium as Se	ug/l	10	<0.800	0.863	1.1	8	0	0
Boron as B	mg/l	1	0.032	0.045	0.056	9	0	0
Bromate as BrO3	ug/l	10	<0.700	1.944	14.5	27	1	3.7
Cyanide as CN	ug/l	50	<0.700	0.838	1.9	26	0	0
PAHs (Sum of 4 substances)	ug/l	0.1	0	0.001	0.003	8	0	0
Benzo (a) pyrene	ug/l	0.01	<0.001	<0.001	<0.001	9	0	0
Trihalomethanes	ug/l	100	2.3	9.589	19.8	9	0	0
Tetra- & Trichloroethene calc	ug/l	10	0	0.363	1.1	8	0	0
Tetrachloromethane	ug/l	3	<0.200	<0.200	<0.200	8	0	0
1,2 dichloroethane	ug/l	3	<0.200	<0.244	<0.300	9	0	0

NOTE: PCV = Prescribed Concentration or Value

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Date extracted: 10/04/2015								
Parameter	Units	PCV	Min.	Mean	Max.	Total	Contra-vening	% of samples contravening PCV
Benzene	ug/l	1	<0.100	<0.100	<0.100	9	0	0
Atrazine	ug/l	0.1	<0.005	0.012	0.027	26	0	0
Bentazone	ug/l	0.1	<0.005	<0.005	<0.005	27	0	0
Bromoxynil	ug/l	0.1	<0.004	<0.005	<0.005	27	0	0
Carbetamide	ug/l	0.1	<0.003	<0.003	<0.003	26	0	0
Chlortoluron	ug/l	0.1	<0.003	<0.003	<0.003	26	0	0
Clopyralid	ug/l	0.1	<0.009	<0.010	<0.010	27	0	0
2,4-D	ug/l	0.1	<0.003	<0.004	<0.004	27	0	0
Dicamba	ug/l	0.1	<0.007	<0.007	<0.007	27	0	0
Dichlorprop	ug/l	0.1	<0.003	<0.004	<0.004	27	0	0
Diuron	ug/l	0.1	<0.003	0.004	0.007	26	0	0
Fluroxypyr	ug/l	0.1	<0.004	<0.006	<0.006	27	0	0
Isoproturon	ug/l	0.1	<0.004	<0.004	<0.004	26	0	0
Ioxynil	ug/l	0.1	<0.004	<0.005	<0.005	27	0	0
Linuron	ug/l	0.1	<0.004	<0.004	<0.004	26	0	0
Mecoprop	ug/l	0.1	<0.003	<0.008	<0.008	27	0	0
MCPA	ug/l	0.1	<0.004	<0.006	<0.006	27	0	0
MCPB	ug/l	0.1	<0.004	<0.005	<0.008	27	0	0
Pentachlorophenol	ug/l	0.1	<0.003	<0.004	<0.004	27	0	0
Propazine	ug/l	0.1	<0.002	<0.002	<0.002	26	0	0
Prometryn	ug/l	0.1	<0.002	<0.002	<0.002	26	0	0
Propyzamide	ug/l	0.1	<0.004	<0.004	<0.004	26	0	0
Simazine	ug/l	0.1	<0.005	0.006	0.009	26	0	0
2,4,5-T	ug/l	0.1	<0.005	<0.005	<0.005	27	0	0
Terbutryn	ug/l	0.1	<0.003	<0.003	<0.003	26	0	0
2,4-DB	ug/l	0.1	<0.004	<0.005	<0.005	27	0	0
Fenoprop	ug/l	0.1	<0.003	<0.004	<0.004	27	0	0
Monuron	ug/l	0.1	<0.003	<0.003	<0.003	26	0	0
Picloram	ug/l	0.1	<0.005	<0.008	<0.008	27	0	0
Triclopyr	ug/l	0.1	<0.005	<0.005	<0.005	27	0	0
Tebuthiuron	ug/l	0.1	<0.002	<0.002	<0.002	26	0	0
Ametryne	ug/l	0.1	<0.002	<0.002	<0.002	26	0	0
Carbendazim	ug/l	0.1	<0.002	<0.002	<0.002	26	0	0
Metaldehyde	ug/l	0.1	<0.005	0.02	0.066	26	0	0
Metazachlor	ug/l	0.1	<0.002	<0.002	<0.002	10	0	0
Quinmerac	ug/l	0.1	<0.004	<0.004	<0.004	10	0	0
Total Pesticides	ug/l	0.5	0	0.025	0.066	32	0	0
Gross alpha activity	Bq/l	0.1	<0.040	0.044	0.08	16	0	0
Gross beta activity	Bq/l	1	0.03	0.046	0.08	16	0	0

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Commentary on Water Quality:

Very good water quality, however one infringement to report for bromate. Our investigations showed the infringement for bromate was transitory at a supplying asset and is not indicative of the quality of water supplied to this zone.

NOTES:

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