

Data Summary Tables for Portsmouth Water (PRT)

These tables represent a summary of test results from water samples taken by the water company in 2005 and submitted to the Drinking Water Inspectorate.

These tables are published annually by the Inspectorate as part of the Chief Inspector's Report. They are available on the Inspectorate's website at www.dwi.gov.uk

Notes relating to the interpretation of the tables : -

Columns on the following tables that are headed "Maximum" and "Minimum" contain figures for the 1 percentile and 99 percentile sample results except where less than 100 samples were taken, when the figures are the actual maximum and minimum results.

The symbol < indicates that the result was less than the limit of detection of the analytical method used.

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Table PRT 1: Quality of water leaving service treatment works - European Standards

Number of treatment works = 19

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	0.1 mg NO ₂ /l	295	0	<0.01	<0.010	0
TOTAL	-	295	0	-	-	-

Table PRT 2: Quality of water leaving service treatment works - National Standards

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	0 number/100 ml	2142	1	0	0	1
Cryptosporidium	Oocyst concentration / 10 l	938	0	0.01	0.132	0
<i>E. coli</i>	0 number/100 ml	2150	0	0	0	0
TOTAL	-	5230	1	-	-	-

Table PRT 3: Quality of water leaving service treatment works - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	1318	0	0	9
Colony Counts After 48 Hours At 37°C	No abnormal change	1317	0	0	17
Residual Disinfectant - Total	No abnormal change	2138	0	0.26	0.96
Turbidity	1 NTU	1575	3	<0.1	0.4
TOTAL	-	6348	3	-	-

Table PRT 4: Quality of water leaving service reservoirs - National Standards

Number of service reservoirs = 32

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	0 number/100 ml	1569	0	0	0	0*
<i>E. coli</i>	0 number/100 ml	1569	0	0	0	0
TOTAL	-	3138	0	-	-	-

* RFT9 Farlington No 9 Reservoir, RLV3 Lavant No 3 Reservoir, RSH2 Shedfield No 2 Reservoir breach(es) regulation 14 for an unjustified sampling shortfall
 It is not possible to identify a dataset of 50 samples to enable assessment of compliance with 95% standard for RFT9 Farlington No 9 Reservoir

Table PRT 5: Quality of water leaving service reservoirs - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	1569	0	0	18
Colony Counts After 48 Hours At 37°C	No abnormal change	1569	0	0	48
Residual Disinfectant - Total	No abnormal change	1569	0	0.15	0.65
TOTAL	-	4707	0	-	-

Table PRT 6: Quality of water at consumer's tap (zones) - European Standards

Number of zones = 13

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	3 µg/l	101	0	<0.051	<0.296	0
Antimony	5 µg Sb/l	101	0	<0.1	0.459	0
Arsenic	10 µg As/l	101	0	<0.3	1.2	0
Benzene	1 µg/l	100	0	<0.03	<0.298	0
Benzo (a) Pyrene	0.01 µg/l	101	0	<0.001	<0.001	0
Boron	1 mg B/l	102	0	0.009	0.066	0
Bromate	10 µg BrO ₃ /l	100	0	<0.6	2.196	0
Cadmium	5 µg Cd/l	101	0	<0.01	0.04	0
Chromium	50 µg Cr/l	101	0	<0.1	9.394	0
Copper	2 mg Cu/l	101	0	<0.01	0.468	0
Cyanide	50 µg CN/l	100	0	<0.4	<9.049	0
<i>E. coli</i>	0 number/100 ml	1718	1	0	0	1
Enterococci	0 number/100 ml	104	0	0	0	0
Fluoride	1.5 mg F/l	100	0	<0.018	0.48	0
Lead	25 µg Pb/l	101	0	<0.2	24.583	0
Mercury	1 µg Hg/l	102	0	<0.04	<0.04	0
Nickel	20 µg Ni/l	101	0	<0.1	13.382	0
Nitrate	50 mg NO ₃ /l	100	0	17.699	42.396	0
Nitrite	0.5 mg NO ₂ /l	101	0	<0.01	<0.026	0
Nitrate/Nitrite Formula	≤ 1	100	0	0.357	0.851	0
Polycyclic aromatic hydrocarbons (PAHs)	0.1 µg/l	101	0	<0.001	<0.021	0
Selenium	10 µg Se/l	101	0	<0.3	4.4	0
Tetrachloroethene/Trichloroethene	10 µg/l	100	0	<0.2	0.582	0
Trihalomethanes (THMs)	100 µg/l	100	0	1.122	63.788	0
Pesticides (2,4-D)	0.1 µg/l	100	0	0.004	<0.01	0
Pesticides (Atrazine)	0.1 µg/l	100	0	0.006	0.025	0
Pesticides (Bentazone)	0.1 µg/l	100	0	0.002	<0.01	0
Pesticides (Bromoxynil)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (Carbetamide)	0.1 µg/l	100	0	<0.01	0.029	0
Pesticides (Chlormequat)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (Chlorothalonil)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (Chlortoluron)	0.1 µg/l	100	0	<0.01	0.02	0
Pesticides (Cyproconazole)	0.1 µg/l	100	0	<0.01	<0.1	0
Pesticides (Dicamba)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (Dichlorprop)	0.1 µg/l	100	0	0.002	<0.01	0

Pesticides (Diuron)	0.1 µg/l	100	0	<0.01	<0.011	0
Pesticides (Epoxyconazole)	0.1 µg/l	100	0	<0.01	<0.1	0
Pesticides (Fenpropimorph)	0.1 µg/l	100	0	<0.007	<0.049	0
Pesticides (Fluroxypyr)	0.1 µg/l	100	0	<0.004	<0.01	0
Pesticides (Flusilazole)	0.1 µg/l	100	0	<0.01	<0.1	0
Pesticides (Ioxynil)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (Isoproturon)	0.1 µg/l	100	0	<0.01	0.012	0
Pesticides (Kresoxym-Methyl)	0.1 µg/l	100	0	<0.01	<0.1	0
Pesticides (Linuron)	0.1 µg/l	100	0	<0.01	<0.099	0
Pesticides (MCPA)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (MCPB)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (MCPP(Mecoprop))	0.1 µg/l	100	0	<0.004	<0.015	0
Pesticides (Metalaxyl)	0.1 µg/l	100	0	<0.01	<0.1	0
Pesticides (Prometryn)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (Propazine)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (Propyzamide)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (Simazine)	0.1 µg/l	100	0	0.004	<0.01	0
Pesticides (Tebuconazole)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (Terbutryn)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides (Trichlopyr)	0.1 µg/l	100	0	<0.01	<0.01	0
Pesticides - Total Substances	0.5 µg/l	100	0	0	<0.1	0
TOTAL	-	7238	1	-	-	-

Table PRT 7: Quality of water at consumer's tap (zones) - National Standards

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	200 µg Al/l	301	1	<1	114.348	1
Colour	20 mg/l Pt/Co scale	300	0	<1	2	0
Hydrogen ion (pH)	6.5 - 10 pH value	274	0	6.995	7.9075	0
Iron	200 µg Fe/l	256	0	<3	88.384	0
Manganese	50 µg Mn/l	244	0	<0.1	1.455	0
Organoleptic Odour	Dilution No. 3 at 25°C	285	0	0	0	0
Organoleptic Taste	Dilution No. 3 at 25°C	280	2	0	1.8002	2
Sodium	200 mg Na/l	104	0	0.35	126.595	0
Tetrachloromethane	3 µg/l	100	0	<0.03	2.5055	0
Turbidity	4 NTU	274	0	<0.1	0.5	0
TOTAL	-	2418	3	-	-	-

Table PRT 8: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Ammonium	0.5 mg NH ₄ /l	274	0	<0.04	<0.0405
Chloride	250 mg Cl/l	104	0	16.39	38.955
<i>Clostridium perfringens</i>	0 number/100 ml	236	0	0	0
Coliform Bacteria	0 number/100 ml	1718	3	0	0
Colony Counts After 3 Days At 22°C	No abnormal change	545	0	0	18
Colony Counts After 48 Hours At 37°C	No abnormal change	545	0	0	16
Conductivity	2500 µS/cm	277	0	449.78	596.66
Hydrogen ion (pH)	9.5 pH Value	274	0	6.995	7.9075
Radioactivity - Gross Alpha	0.1 Bq/l	100	0	0.00601	0.04992
Radioactivity - Gross Beta	1 Bq/l	100	0	0.028	0.15873
Radioactivity - Tritium	100 Bq/l	100	0	<4	<5
Residual Disinfectant - Total	No abnormal change	1719	0	0.112	0.53
Sulphate	250 mg SO ₄ /l	104	0	9.805	33.065
Total Organic Carbon (TOC)	No abnormal change	100	0	0.4	1.899
TOTAL	-	6196	3	-	-