

Data Summary Tables for Portsmouth Water Plc (PRT)

These tables contain a summary of results of monitoring undertaken by the water company in 2006 and submitted to the Drinking Water Inspectorate. The tables are published by the Inspectorate as part of the Chief Inspector's Report entitled 'Drinking water 2006'.

The tables and full content of the Drinking Water Inspectorate's annual report are available on the Inspectorate's website at <http://www.dwi.gov.uk>

Notes relating to the interpretation of the tables : -

Columns on the following tables that are headed '1 percentile representing a minimum' and '99 percentile representing a maximum' contain figures for the 1 percentile and 99 percentile sample results respectively 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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Data Summary 2006 for PORTSMOUTH WATER PLC (PRT)

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of works with failures
Nitrite	A013B	0.1 mg NO ₂ /l	283	0	<0.005	0.012136	0
TOTAL	-	-	283	0	-	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	1924	1	0	0	1
Cryptosporidium	C111	ooocysts >1 in10 litres	394	0	-	'-	0
<i>E. coli</i>	C002	0 number/100 ml	1917	0	0	0	0
TOTAL	-	-	4235	1	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C	C007	No abnormal change	1330	n/a	0	3
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	1326	n/a	0	8
Residual Disinfectant - Total	C010	No abnormal change	1907	n/a	0.24	1.03
Turbidity	A002A	1 NTU	1772	0	<0.1	0.34
TOTAL	-	-	6335	0	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	1557	2	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	1553	0	0	0	0
TOTAL	-	-	3110	2	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Colony Counts After 3 Days At 22°C	C007	No abnormal change	1556	n/a	0	22
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	1557	n/a	0	24
Residual Disinfectant - Total	C010	No abnormal change	1558	n/a	0.15	0.55
TOTAL	-	-	4671	0	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones with failures
1,2 Dichloroethane	F001	3 µg/l	112	0	<0.1	<0.1	0
Antimony	B008A	5 µg Sb/l	113	0	<0.1	0.4488	0
Arsenic	B001A	10 µg As/l	113	0	<0.3	6.028	0
Benzene	F002	1 µg/l	112	0	<0.03	<0.2649	0
Benzo (a) Pyrene	D007	0.01 µg/l	112	0	<0.001	<0.001	0
Boron	D005A	1 mg B/l	113	0	<0.006	0.0817	0
Bromate	F003	10 µg BrO ₃ /l	112	0	<0.8	2.248	0
Cadmium	B002	5 µg Cd/l	113	0	<0.01	0.0372	0
Chromium	B004	50 µg Cr/l	113	0	<0.1	4.244	0
Copper	A024A	2 mg Cu/l	113	0	<0.01	0.4608	0
Cyanide	B003	50 µg CN/l	112	0	<0.4	2.635	0
<i>E. coli</i>	C002	0 number/100 ml	1695	0	0	0	0
Enterococci	C003	0 number/100 ml	115	0	0	0	0
Fluoride	A027	1.5 mg F/l	112	0	<0.01655	0.80918	0
Lead	B007A	25 µg Pb/l	122	1	<0.2	27.999	1
Mercury	B005	1 µg Hg/l	112	0	<0.04	0.0674	0
Nickel	B006A	20 µg Ni/l	113	0	<0.1	11.274	0
Nitrate	A012	50 mg NO ₃ /l	111	0	16.9544	41.034	0
Nitrite	A013A	0.5 mg NO ₂ /l	115	0	<0.005	<0.01	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	111	0	0.34098	0.82398	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	112	0	0.00378	<0.1	0
Selenium	B009	10 µg Se/l	113	0	<0.3	4.0274	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	112	0	<0.2	3.632	0
Trihalomethanes (THMs)	D011	100 µg/l	112	0	1.9808	61.5997	0
Pesticides (2,4-D)	P020	µg/l	112	0	<0.004	<0.02044	0
Pesticides (Atrazine)	P004	µg/l	112	0	<0.01	0.02435	0
Pesticides (Bentazone)	P006	µg/l	112	0	<0.002	<0.01	0
Pesticides (Bromoxynil)	P008	µg/l	112	0	<0.002	<0.01	0
Pesticides (Carbetamide)	P010	µg/l	112	0	<0.01	<0.01	0
Pesticides (Chlormequat)	P163	µg/l	112	0	<0.01	<0.0361	0
Pesticides (Chlorothalonil)	P015	µg/l	112	0	<0.01	<0.01	0
Pesticides (Chlortoluron)	P014	µg/l	112	0	<0.01	<0.01609	0
Pesticides (Cyproconazole)	P207	µg/l	112	0	<0.004	<0.1	0
Pesticides (Dicamba)	P025	µg/l	112	0	<0.003	<0.01	0
Pesticides (Dichlorprop)	P026	µg/l	112	0	<0.002	<0.01	0
Pesticides (Diuron)	P032	µg/l	112	0	<0.01	<0.01	0

Pesticides (Epoxyconazole)	P217	µg/l	112	0	<0.004	<0.1	0
Pesticides (Fenpropimorph)	P037	µg/l	112	0	<0.005	<0.01	0
Pesticides (Fluroxypyr)	P040	µg/l	112	0	<0.004	<0.01	0
Pesticides (Flusilazole)	P159	µg/l	112	0	<0.004	<0.1	0
Pesticides (Ioxynil)	P049	µg/l	112	0	<0.002	<0.01	0
Pesticides (Isoproturon)	P048	µg/l	112	0	<0.01	<0.01435	0
Pesticides (Kresoxym-Methyl)	P218	µg/l	112	0	<0.01	0.02	0
Pesticides (Linuron)	P051	µg/l	112	0	<0.01	<0.01	0
Pesticides (MCPA)	P054	µg/l	112	0	<0.002	<0.01174	0
Pesticides (MCPB)	P055	µg/l	112	0	<0.004	<0.01	0
Pesticides (MCPP(Mecoprop))	P053	µg/l	112	2	<0.002	0.29349	2
Pesticides (Metalaxyl)	P209	µg/l	112	0	<0.004	<0.1	0
Pesticides (Prometryn)	P070	µg/l	112	0	<0.01	<0.01	0
Pesticides (Propazine)	P066	µg/l	112	0	<0.01	<0.01	0
Pesticides (Propyzamide)	P071	µg/l	112	0	<0.006	<0.01	0
Pesticides (Simazine)	P073	µg/l	112	0	<0.01	<0.01087	0
Pesticides (Tebuconazole)	P177	µg/l	112	0	<0.004	<0.01	0
Pesticides (Terbutryn)	P077	µg/l	112	0	<0.01	<0.01	0
Pesticides (Trichlopyr)	P131	µg/l	112	0	<0.00652	<0.0948	0
Pesticides - Total Substances	B010	0.5 µg/l	113	0	0.00614	0.32328	0
TOTAL	-	-	7878	3	-	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	1 percentile (representing a minimum)	99 percentile (representing a maximum)	No. of zones with failures
Aluminium	A021	200 µg Al/l	312	1	<1	30.796	1
Colour	A001	20 mg/l Pt/Co scale	312	0	<1	2.148	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	286	0	7.0674	7.6413	0
Iron	A022	200 µg Fe/l	291	0	<3	26.392	0
Manganese	A023	50 µg Mn/l	249	0	<0.1	2.55	0
Organoleptic Odour	A003	Dilution no. 3 at 25°C	301	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	337	1	0	0.2232	1
Sodium	A009	200 mg Na/l	113	0	<1.164	14.546	0
Tetrachloromethane	D008	3 µg/l	112	0	<0.04	<0.0948	0
Turbidity	A002	4 NTUs	322	0	<0.1	<0.9609	0
TOTAL	-	-	2635	2	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium	A014	0.5 mg NH ₄ /l	286	0	<0.04	0.04804
Chloride	D002A	250 mg Cl/l	112	0	6.003	35.883
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	250	0	0	0
Coliform Bacteria	C001A	0 number/100 ml	1706	5	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	562	n/a	0	15
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	565	n/a	0	16
Conductivity	D001	2500 µS/cm	286	0	456	587.39
Hydrogen ion (pH)	A006A	9.5 pH Value	286	0	7.0674	7.6413
Radioactivity - Gross Alpha	F004	0.1 Bq/l	112	0	<0.027	0.06579
Radioactivity - Gross Beta	F005	1 Bq/l	112	0	<0.042	0.21752
Radioactivity - Tritium	F006	100 Bq/l	112	0	<4	<4
Residual Disinfectant - Total	C010	No abnormal change	1715	n/a	0.12	0.51
Sulphate	A007	250 mg SO ₄ /l	112	0	9.765	34.142
Total Organic Carbon (TOC)	A017	No abnormal change	112	n/a	0.4	2.474
TOTAL	-	-	6328	5	-	-