

## **Data Summary Tables for Portsmouth Water Plc (PRT)**

These tables contain a summary of results of monitoring undertaken by the water company in 2007 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 2007'.

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 (Q) for PORTSMOUTH WATER PLC

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	A013B	0.1 mg NO <sub>2</sub> /l	289	0	<0.005	0.00962	0
<b>TOTAL</b>	-	-	<b>289</b>	<b>0</b>	-	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	C001	0 number/100 ml	1992	0	0	0	0
Cryptosporidium	C111	Oocyst concentration / 10l	415	0	<0.01	<0.01	0
<i>E. coli</i>	C002	0 number/100 ml	1996	0	0	0	0
<b>TOTAL</b>	-	-	<b>4051</b>	<b>0</b>	-	-	-

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

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	1378	N/A	0	3
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	1378	N/A	0	6
Residual Disinfectant - Free	C009	No abnormal change	2025	N/A	0.2	0.89
Residual Disinfectant - Total	C010	No abnormal change	2025	N/A	0.22	0.98
Turbidity	A002A	1 NTU	1837	0	<0.1	0.28
<b>TOTAL</b>	-	-	<b>8643</b>	<b>0</b>	-	-

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

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	C001	0 number/100 ml	1559	0	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	1559	0	0	0	0
<b>TOTAL</b>	-	-	<b>3118</b>	<b>0</b>	-	-	-

**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	Minimum	Maximum
Colony Counts After 3 Days At 22°C	C007	No abnormal change	1559	N/A	0	10
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	1559	N/A	0	9
Residual Disinfectant - Free	C009	No abnormal change	1579	N/A	0.11	0.5
Residual Disinfectant - Total	C010	No abnormal change	1579	N/A	0.14	0.59
<b>TOTAL</b>	-	-	<b>6276</b>	<b>0</b>	-	-

**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	Minimum	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	115	0	<0.1	0.4488	0
Arsenic	B001A	10 µg As/l	115	0	<0.3	0.7	0
Benzene	F002	1 µg/l	112	0	<0.03	<0.0387	0
Benzo (a) Pyrene	D007	0.01 µg/l	113	0	<0.001	0.00444	0
Boron	D005A	1 mg B/l	113	0	0.00728	0.3837	0
Bromate	F003	10 µg BrO <sub>3</sub> /l	112	0	<0.8	1.474	0
Cadmium	B002	5 µg Cd/l	113	0	<0.01	1.0418	0
Chromium	B004	50 µg Cr/l	113	0	<0.1	11.774	0
Copper	A024A	2 mg Cu/l	113	0	<0.01	1.374	0
Cyanide	B003	50 µg CN/l	112	0	<0.4	1.1	0
<i>E. coli</i>	C002	0 number/100 ml	1712	1	0	0	1
Enterococci	C003	0 number/100 ml	113	0	0	0	0
Fluoride	A027	1.5 mg F/l	115	0	0.06648	0.5354	0
Lead	B007A	25 µg Pb/l	118	1	<0.2	101.659	1
Mercury	B005	1 µg Hg/l	111	0	<0.04	0.3404	0
Nickel	B006A	20 µg Ni/l	113	0	<0.1	17.914	0
Nitrate	A012	50 mg NO <sub>3</sub> /l	113	0	17.7355	40.727	0
Nitrite	A013A	0.5 mg NO <sub>2</sub> /l	113	0	<0.005	0.00733	0
Nitrate/Nitrite Formula	A013C	1 mg NO <sub>2</sub> /l	113	0	0.356246	0.81624	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	113	0	0	0.02906	0
Selenium	B009	10 µg Se/l	115	0	<0.3	5.2212	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	112	0	0	0.3061	0
Trihalomethanes (THMs)	D011	100 µg/l	112	0	2.2025	99.1249	0
Pesticides (2,4-D)	P020	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Atrazine)	P004	0.1 µg/l	113	0	<0.01	0.025	0
Pesticides (Bentazone)	P006	0.1 µg/l	113	0	0.00314	<0.02032	0
Pesticides (Bromoxynil)	P008	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Carbetamide)	P010	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Chlormequat)	P163	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Chlorothalonil)	P015	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Cyproconazole)	P207	0.1 µg/l	113	0	<0.01	<0.01602	0
Pesticides (Dicamba)	P025	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Dichlorprop)	P026	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Diuron)	P032	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Epoxyconazole)	P217	0.1 µg/l	113	0	<0.00656	0.0696	0

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Pesticides (Fenpropimorph)	P037	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Fluroxypyr)	P040	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Flusilazole)	P159	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (loxynil)	P049	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Isoproturon)	P048	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Kresoxym-Methyl)	P218	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Linuron)	P051	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (MCPA)	P054	0.1 µg/l	113	0	<0.0057	<0.01	0
Pesticides (MCPB)	P055	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (MCPP(Mecoprop))	P053	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Metalaxyl)	P209	0.1 µg/l	113	0	<0.00484	<0.01	0
Pesticides (Prometryn)	P070	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Propazine)	P066	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Propyzamide)	P071	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Simazine)	P073	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Tebuconazole)	P177	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Terbutryn)	P077	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides (Trichlopyr)	P131	0.1 µg/l	113	0	<0.01	<0.01	0
Pesticides - Total Substances	B010	0.5 µg/l	113	0	0	0.0936	0
<b>TOTAL</b>	-	-	<b>7932</b>	<b>2</b>	-	-	-

**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	Minimum	Maximum	No. of zones with failures
Aluminium	A021	200 µg Al/l	317	0	<1	44.87	0
Colour	A001	20 mg/l Pt/Co scale	318	0	<1	<2.081	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	281	0	6.8928	7.7172	0
Iron	A022	200 µg Fe/l	296	1	<3	62.926	1
Manganese	A023	50 µg Mn/l	253	0	<0.1	1.79	0
Organoleptic Odour	A003	Dilution no. 3 at 25°C	300	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	362	0	0	0	0
Sodium	A009	200 mg Na/l	113	0	8.1138	18.5368	0
Tetrachloromethane	D008	3 µg/l	112	0	<0.04	0.1461	0
Turbidity	A002	4 NTUs	356	0	<0.1	0.8972	0
<b>TOTAL</b>	-	-	<b>2708</b>	<b>1</b>	-	-	-

**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	Minimum	Maximum
Ammonium	A014	0.5 mg NH <sub>4</sub> /l	281	0	<0.04	0.07296
Chloride	D002A	250 mg Cl/l	113	0	18.128	56.008
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	243	0	0	0
Coliform Bacteria	C001A	0 number/100 ml	1712	10	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	578	N/A	0	19
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	578	N/A	0	16
Conductivity	D001	2500 µS/cm	281	0	443.28	618.72
Hydrogen ion (pH)	A006A	9.5 pH Value	281	0	6.8928	7.7172
Radioactivity - Gross Alpha	F004	0.1 Bq/l	112	0	<0.027	0.04487
Radioactivity - Gross Beta	F005	1 Bq/l	112	0	<0.02869	0.11363
Radioactivity - Tritium	F006	100 Bq/l	112	0	<4	<7.567
Residual Disinfectant - Free	C009	No abnormal change	1729	N/A	0.08	0.494
Residual Disinfectant - Total	C010	No abnormal change	1729	N/A	0.12	0.53
Sulphate	A007	250 mg SO <sub>4</sub> /l	113	0	9.284	34.302
Total Organic Carbon (TOC)	A017	No abnormal change	115	N/A	0.4	1.752
<b>TOTAL</b>	-	-	<b>8089</b>	<b>10</b>	-	-