

## **Data summary tables for Portsmouth Water (PRT)**

These tables contain a summary of results of monitoring undertaken by the water company in 2018 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 2018*.

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.

Published 11 July 2019  
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Site Summary Data for Portsmouth Water Plc

Report Date Range: For the whole year 2018

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

Parameter Name	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 (Total)	A013B	0.1 mg NO <sub>2</sub> /l	181	0	< 0.002	0.01662	0
<b>Totals:</b>			<b>181</b>	<b>0</b>			

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

Parameter Name	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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	2,531	0	0	0	0
Total Coliforms (Confirmed)	C001	0 number/100 ml	2,531	1	0	0	1
<b>Totals:</b>			<b>5,062</b>	<b>1</b>			

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

Parameter Name	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 (Colony Counts)	C007	No abnormal change	2,185	-n/a	0	3
Residual Disinfectant - Free	C009	No abnormal change	2,526	-n/a	0.2427	0.79
Residual Disinfectant - Total	C010	No abnormal change	2,526	-n/a	0.27	0.82
Turbidity - Indicator	A002A	1 nephelometric turbidity units	2,189	0	0.06	0.25
<b>Totals:</b>			<b>9,426</b>	<b>0</b>		

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

Parameter Name	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
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	1,467	1	0	0	1
Total Coliforms (Confirmed)	C001	0 number/100 ml	1,467	1	0	0	0
<b>Totals:</b>			<b>2,934</b>	<b>2</b>			

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

Parameter Name	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 22øc (Colony Counts)	C007	No abnormal change	1,467	-n/a	0	21
Residual Disinfectant - Free	C009	No abnormal change	1,467	-n/a	0.1368	0.6232
Residual Disinfectant - Total	C010	No abnormal change	1,467	-n/a	0.19	0.65
<b>Totals:</b>			<b>4,401</b>	<b>0</b>		

**Table PRT 9: Quality of water at consumer's tap (zones) - European Standards**

Parameter Name	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 failing standard
1 2-Dichloroethane (Total)	F001	3 µg/l	100	0	< 0.04	< 0.04	0
Antimony	B008A	5 µg Sb/l	103	0	0.052	0.688	0
Arsenic (Total)	B001A	10 µg As/l	103	0	< 0.5	< 0.5	0
Benzene (Total)	F002	1 µg/l	106	0	< 0.01	< 0.0193	0
Benzo[a]Pyrene (Total)	D007	0.01 µg/l	103	0	< 0.002	< 0.01	0
Boron	D005A	1 mg B/l	104	0	< 0.01	< 0.05	0
Bromate	F003	10 µg BrO3/l	107	0	< 0.4	0.4	0
Cadmium (Total)	B002	5 µg Cd/l	104	0	< 0.1	< 0.1	0
Chromium (Total)	B004	50 µg Cr/l	104	0	< 0.1	0.3	0
Copper (Total)	A024A	2 mg Cu/l	104	0	< 0.01	0.46885	0
Cyanide (Total)	B003	50 µg CN/l	103	0	< 2	6.116	0
E coli (faecal coliforms Confirmed)	C002	0 number/100 ml	1,854	0	0	0	0
Enterococci (Confirmed)	C003	0 number/100 ml	107	0	0	0	0
Fluoride (Total)	A027	1.5 mg F/l	103	0	0.06308	0.42876	0
Lead (10 - will apply 25.12.2013)	B007B	10 µg Pb/l	106	1	< 0.1	14.667	1
Mercury (Total)	B005	1 µg Hg/l	104	0	< 0.02	0.02	0
Nickel (Total)	B006A	20 µg Ni/l	104	0	0.4	12.765	0
Nitrate (Total)	A012	50 mg NO3/l	105	0	21.712	44.382	0
Nitrite - Consumer's Taps	A013A	0.5 mg NO2/l	105	0	< 0.002	0.06512	0
Nitrite/Nitrate formula	A013C	1 mg NO2/l	104	0	0.4342	0.89465	0
Pesticides (Total by Calculation)	B010	0.5 µg/l	118	0	0	0.03086	0
Pesticides 2 4-D	P020	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Atrazine	P004	0.1 µg/l	106	0	< 0.005	0.013	0
Pesticides Bentazone	P006	0.1 µg/l	106	0	< 0.005	< 0.00779	0
Pesticides Boscalid	P231	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Chlortoluron	P014	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Cyproconazole	P207	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Dicamba	P025	0.1 µg/l	106	0	< 0.01	< 0.01	0
Pesticides Dieldrin	P028	0.03 µg/l	106	0	< 0.006	< 0.006	0
Pesticides Diuron	P032	0.1 µg/l	106	0	< 0.005	0.0163	0
Pesticides Epoxyconazole	P217	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Fenpropimorph	P037	0.1 µg/l	106	0	< 0.008	< 0.008	0
Pesticides Fluroxypyr	P040	0.1 µg/l	106	0	< 0.005	< 0.005	0

Parameter Name	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 failing standard
Pesticides Glyphosate	P042	0.1 µg/l	104	0	< 0.003	0.00495	0
Pesticides MCPA 4-chloro-o-tolyloxyacetic acid	P054	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides MCPB	P055	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides MCPP (Mecoprop)	P053	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Mesosulfuron-methyl	P234	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Metaldehyde	P226	0.1 µg/l	106	0	< 0.006	< 0.006	0
Pesticides Metazachlor	P203	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Pendimethalin	P118	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Picloram (Total)	P122	0.1 µg/l	106	0	< 0.015	< 0.015	0
Pesticides Prometryne	P070	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Propyzamide	P071	0.1 µg/l	106	0	< 0.009	< 0.01365	0
Pesticides Quinmerac	P244	0.1 µg/l	106	0	< 0.005	< 0.005	0
Pesticides Simazine	P073	0.1 µg/l	106	0	< 0.005	0.00972	0
Pesticides Triclopyr	P131	0.1 µg/l	106	0	< 0.007	< 0.01165	0
Pesticides Trietazine	P132	0.1 µg/l	106	0	< 0.005	< 0.005	0
Polycyclic Aromatic Hydrocarbons (Total by Calculation)	B011F	0.1 µg/l	103	0	0	0.00296	0
Selenium (Total)	B009	10 µg Se/l	103	0	< 0.4	3.9	0
Trichloroethene & Tetrachloroethene - Sum Of 2 Substances (Total by Calculation)	D009B	10 µg/l	106	0	0	0.4992	0
Trihalomethanes (Total by Calculation)	D011	100 µg/l	102	0	0.054	50.491	0
<b>Totals:</b>			<b>7,225</b>	<b>1</b>			

**Table PRT 10: Quality of water at consumer's tap (zones) - National Standards**

Parameter Name	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 failing standard
Aluminium (Total)	A021	200 µg Al/l	541	0	< 0.5	27.88	0
Colour	A001	20 mg/l Pt/Co scale	588	0	< 1	1.6366	0
Iron (Total)	A022	200 µg Fe/l	553	0	< 1.9	22.748	0
Manganese (Total)	A023	50 µg Mn/l	541	0	< 0.1	1.158	0
Odour	A003	0 Dilution number	583	1	0	0	1
Sodium (Total)	A009	200 mg Na/l	104	0	< 0.515	15.86	0
Taste (Taste Quant)	A004	0 Dilution number	610	0	0	0	0
Tetrachloromethane (Total)	D008	3 µg/l	104	0	< 0.04	< 0.0495	0
Turbidity	A002	4 nephelometric turbidity units	588	0	0.07	0.3122	0
<b>Totals:</b>			<b>4,212</b>	<b>1</b>			

Table PRT 11: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Parameter Name	Parameter Code	Prescribed Concentration or Value	Total Number of Tests	Tests exceeding specification	1 percentile (representing a minimum)	99 percentile (representing a maximum)
Ammonium (Total)	A014	0.5 mg NH <sub>4</sub> /l	608	0	< 0.016	0.02
Chloride	D002A	250 mg Cl/l	104	0	19.515	32.945
Clostridium Perfringens (Sulphite-reducing Clostridia) (Confirmed)	C004A	0 number/100 ml	276	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	1,854	1	0	0
Colony Counts After 3 Days At 22øc (Colony Counts)	C007	No abnormal change	616	-n/a	0	40
Conductivity (Electrical Conductivity)	D001	2500 µS/cm	588	0	488.89	602.22
Hydrogen ion (pH) - Indicator (Hydrogen ion) (pH)	A006	6.5 - 9.5 pH Value	588	0	7.05	7.7122
Residual Disinfectant - Free	C009	No abnormal change	1,861	-n/a	0.11	0.58
Residual Disinfectant - Total	C010	No abnormal change	1,861	-n/a	0.19	0.64
Sulphate	A007	250 mg SO <sub>4</sub> /l	104	0	10.5	39.5
Total Organic Carbon	A017	No abnormal change	103	-n/a	< 0.5	1.98
<b>Totals:</b>			<b>8,563</b>	<b>1</b>		