

Data Summary Tables for South Staffordshire Water Plc (SST)

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 SOUTH STAFFORDSHIRE WATER PLC

Table SST 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 ₂ /l	4051	0	<0.0093	0.0095	0
TOTAL	-	-	4051	0	-	-	-

Table SST 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	4049	1	0	0	1
Cryptosporidium	C111	Oocyst concentration / 10l	366	0	-	-	0
<i>E. coli</i>	C002	0 number/100 ml	4048	1	0	0	1
TOTAL	-	-	8463	2	-	-	-

Table SST 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	4048	N/A	0	52
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	4049	N/A	0	9
Residual Disinfectant - Total	C010	No abnormal change	4051	N/A	0.1	1.14
Turbidity	A002A	1 NTU	4051	7	<0.11	0.5
TOTAL	-	-	16199	7	-	-

Table SST 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	1721	0	0	0	0
<i>E. coli</i>	C002	0 number/100 ml	1721	0	0	0	0
TOTAL	-	-	3442	0	-	-	-

Table SST 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	1721	N/A	0	>300
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	1721	N/A	0	97
Residual Disinfectant - Total	C010	No abnormal change	1721	N/A	0.05	0.52
TOTAL	-	-	5163	0	-	-

Table SST 6: Quality of water leaving bulk supply points - European Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
1,2 Dichloroethane	F001	3 µg/l	201	0	<0.1	<0.2	0
Benzene	F002	1 µg/l	201	0	<0.05	<0.05	0
Cyanide	B003	50 µg CN/l	202	0	0.3	2.197	0
Mercury	B005	1 µg Hg/l	202	0	<0.017	<0.06152	0
Tetrachloroethene/Trichloroethene	D009B	10 µg/l	201	0	<0.1	3.996	0
Pesticides (2,4-D)	P020	0.1 µg/l	192	0	<0.0031	0.008577	0
Pesticides (Aldrin)	P002	0.03 µg/l	203	0	<0.006	<0.009	0
Pesticides (Atrazine)	P004	0.1 µg/l	202	0	<0.0008	0.040867	0
Pesticides (Bromacil)	P086	0.1 µg/l	195	0	<0.0058	<0.012	0
Pesticides (Carbetamide)	P010	0.1 µg/l	22	0	<0.0047	0.0252	0
Pesticides (Chlortoluron)	P014	0.1 µg/l	202	0	<0.003	<0.003	0
Pesticides (Clopyralid)	P018	0.1 µg/l	202	0	<0.0097	0.034188	0
Pesticides (Dicamba)	P025	0.1 µg/l	202	0	<0.0098	<0.0098	0
Pesticides (Dichlorprop)	P026	0.1 µg/l	202	0	<0.003	<0.003194	0
Pesticides (Dieldrin)	P028	0.03 µg/l	203	0	<0.0037	<0.0048	0
Pesticides (Diuron)	P032	0.1 µg/l	202	0	<0.0034	0.012467	0
Pesticides (Heptachlor)	P043	0.03 µg/l	203	0	<0.004	<0.0048	0
Pesticides (Heptachlor epoxide)	P044	0.03 µg/l	203	0	<0.006	<0.007	0
Pesticides (Isoproturon)	P048	0.1 µg/l	202	0	<0.0016	0.022046	0
Pesticides (MCPA)	P054	0.1 µg/l	202	0	<0.0024	0.023156	0
Pesticides (MCP (Mecoprop))	P053	0.1 µg/l	202	0	<0.0037	0.033125	0
Pesticides (Propazine)	P066	0.1 µg/l	202	0	<0.001	0.002094	0
Pesticides (Propyzamide)	P071	0.1 µg/l	202	0	<0.0013	<0.0013	0
Pesticides (Simazine)	P073	0.1 µg/l	202	0	<0.001	0.009197	0
Pesticides (Trichlopyr)	P131	0.1 µg/l	202	0	<0.0024	0.009597	0
Pesticides - Total Substances	B010	0.5 µg/l	202	0	0	0.07	0
TOTAL	-	-	5056	0	-	-	-

Table SST 7: Quality of water leaving bulk supply points - National Standards

Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Tetrachloromethane	D008	3 µg/l	201	0	<0.1	<0.1	0
TOTAL	-	-	201	0	-	-	-

Table SST 8: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Indicator Parameter	Parameter Code	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Radioactivity - Gross Alpha	F004	0.1 Bq/l	202	8	<0.0203	0.1497
Radioactivity - Gross Beta	F005	1 Bq/l	202	0	0.0403	0.2597
TOTAL	-	-	404	8	-	-

Table SST 9: 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
Antimony	B008A	5 µg Sb/l	190	0	<0.17	1.0518	0
Arsenic	B001A	10 µg As/l	190	0	0.1946	4.058	0
Benzo (a) Pyrene	D007	0.01 µg/l	191	0	<0.0004	0.001308	0
Boron	D005A	1 mg B/l	190	0	<0.0171	0.12209	0
Bromate	F003	10 µg BrO ₃ /l	190	0	<0.0002	2.918	0
Cadmium	B002	5 µg Cd/l	190	0	<0.012	0.2318	0
Chromium	B004	50 µg Cr/l	190	0	<0.12	1.021	0
Copper	A024A	2 mg Cu/l	190	0	<0.001	0.17597	0
<i>E. coli</i>	C002	0 number/100 ml	3342	2	0	0	2
Enterococci	C003	0 number/100 ml	194	0	0	0	0
Fluoride	A027	1.5 mg F/l	190	0	0.1	1.1	0
Lead	B007A	25 µg Pb/l	190	1	0.0791	21.754	1
Nickel	B006A	20 µg Ni/l	190	0	<0.5	4.6688	0
Nitrate	A012	50 mg NO ₃ /l	190	0	<0.6	45.909	0
Nitrite	A013A	0.5 mg NO ₂ /l	190	0	<0.0093	<0.0093	0
Nitrate/Nitrite Formula	A013C	1 mg NO ₂ /l	190	0	0.01	0.92	0
Polycyclic aromatic hydrocarbons (PAHs)	B011F	0.1 µg/l	191	0	<0.0034	0.004012	0
Selenium	B009	10 µg Se/l	190	0	<0.3	1.1783	0
Trihalomethanes (THMs)	D011	100 µg/l	190	0	<4	82.178	0
TOTAL	-	-	6768	3	-	-	-

Table SST 10: 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	1110	5	<6	131.89	4
Colour	A001	20 mg/l Pt/Co scale	1110	0	<0.7	5.389	0
Hydrogen ion (pH)	A006	6.5 -10 pH value	1110	0	6.6	7.7	0
Iron	A022	200 µg Fe/l	1110	1	<6	113.68	1
Manganese	A023	50 µg Mn/l	1110	1	<2.1	8.945	1
Organoleptic Odour	A003	Dilution no. 3 at 25°C	1108	0	0	0	0
Organoleptic Taste	A004	Dilution no. 3 at 25°C	1105	0	0	0	0
Sodium	A009	200 mg Na/l	190	0	10.9592	104.25	0
Turbidity	A002	4 NTUs	1110	0	<0.11	0.66	0
TOTAL	-	-	9063	7	-	-	-

Table SST 11: 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 ₄ /l	1110	0	<0.01	0.03
Chloride	D002A	250 mg Cl/l	190	0	19.147	107.89
<i>Clostridium perfringens</i>	C004A	0 number/100 ml	1112	1	0	0
Coliform Bacteria	C001A	0 number/100 ml	3342	6	0	0
Colony Counts After 3 Days At 22°C	C007	No abnormal change	1111	N/A	0	284
Colony Counts After 48 Hours At 37°C	C013	No abnormal change	1111	N/A	0	50
Conductivity	D001	2500 µS/cm	1110	0	286.33	811.89
Hydrogen ion (pH)	A006A	9.5 pH Value	1110	0	6.6	7.7
Residual Disinfectant - Total	C010	No abnormal change	3343	N/A	0.04	0.45
Sulphate	A007	250 mg SO ₄ /l	190	0	19.442	154.09
Total Organic Carbon (TOC)	A017	No abnormal change	190	N/A	0.6066	5.6541
TOTAL	-	-	13919	7	-	-