

Drinking Water 2016 - Number of tests carried out by companies in England

Company	Place of sampling			Number of tests per company	Target number of tests
	Water treatment works	Service reservoirs	Consumers' taps (zones)		
Affinity Water	61,011 (97)	38,887 (154)	86,434 (87)	186,332	186,421
Albion Water	0 (0)	0 (0)	358 (1)	358	358
Anglian Water	128,089 (134)	93,432 (309)	140,176 (162)	361,697	361,726
Bristol Water	25,419 (16)	48,966 (160)	43,167 (27)	117,552	117,758
Cambridge Water	11,990 (20)	8,051 (31)	8,292 (8)	28,333	28,549
Cholderton	600 (1)	312 (1)	342 (1)	1,254	1,268
Dee Valley Water	5,512 (2)	312 (1)	3,962 (4)	9,786	9,789
Dŵr Cymru Welsh Water	5,024 (5)	7,912 (24)	6,308 (12)	19,244	19,260
Essex and Suffolk Water	24,853 (21)	23,984 (94)	54,080 (44)	102,917	102,957
Hartlepool Water	1,150 (2)	1,878 (6)	2,439 (2)	5,467	5,467
Independent Water Networks	0 (0)	0 (0)	1,963 (10)	1,963	1,963
Northumbrian Water	41,954 (34)	63,337 (205)	73,717 (65)	179,008	179,355
Portsmouth Water	10,438 (19)	9,176 (31)	17,562 (13)	37,176	37,335
Peel Water	0 (0)	0 (0)	333 (1)	333	333
Bournemouth Water	14,051 (7)	6,054 (20)	20,218 (10)	40,323	40,548
Sutton and East Surrey Water	13,240 (7)	8,260 (32)	16,617 (20)	38,117	38,117

South East Water	82,066 (88)	70,074 (230)	92,607 (72)	244,747	244,747
Southern Water	73,783 (83)	60,634 (205)	101,235 (74)	235,652	235,829
SSE Water	0 (0)	0 (0)	10,013 (20)	10,013	10,013
South Staffordshire Water	28,467 (19)	10,464 (35)	36,453 (20)	75,384	75,414
South West Water	51,420 (31)	79,115 (266)	71,659 (32)	202,194	202,312
Severn Trent Water	131,506 (129)	147,765 (473)	225,052 (191)	504,323	504,535
Thames Water	111,745 (97)	95,392 (380)	271,533 (252)	478,670	479,125
United Utilities	108,760 (75)	109,427 (362)	197,500 (226)	415,687	415,955
Veolia Water Projects	1,263 (2)	1,320 (6)	604 (1)	3,187	3,196
Wessex Water	66,901 (65)	93,310 (311)	59,275 (80)	219,486	219,730
Yorkshire Water	100,957 (57)	104,416 (342)	152,454 (70)	357,827	357,828
Region overall	1,100,199 (1,011)	1,082,478 (3,678)	1,694,353 (1,505)	3,877,030	3,879,888

Note: Numbers in brackets reflect the number of works, reservoirs or zones operated by that company in England in 2016. Some companies are permitted to carry out some tests on samples taken from supply points rather than from consumers' taps.

Drinking Water 2016 - Chemical and physical parameters - England

The number of tests performed and the number of tests not meeting the standard

Parameter	Current standard or specified concentration ¹	Total number of tests	Number of tests not meeting the standard	Additional information
Aesthetic parameters – colour	20mg/l Pt/Co scale No abnormal change	45,358	0	
– odour		36,463	87	AFW (2), ANG (6), BRL (2), ESK (10), NNE (2), SBW (1), SEW (10), SWT (4), SVT (22), TMS (5), UUT (14), WSX (1), YKS (8)
– taste		36,427	52	BRL (5), ESK (6), PRT (1), SBW (1), SRN (1), SWT (2), SVT (12), TMS (2), UUT (15), WSX (1), YKS (6)
1,2-dichloroethane	3µg/l	9,736	0	
Aluminium	200µg/l	41,249	9	ESK (1), NNE (1), SST (1), TMS (1), UUT (4), YKS (1)
Ammonium	0.5mg NH ₄ /l	39,298	0	
Antimony	5µg/l	11,663	0	
Arsenic	10µg/l	11,665	0	
Benzene	1µg/l	9,744	0	
Benzo(a)pyrene	0.01µg/l	11,703	4	SVT (1), TMS (1), UUT (2)
Boron	1µg/l	9,911	0	
Bromate	10µg/l	10,286	1	SST (1)
Cadmium	5µgCd/l	11,877	0	
Chloride	250mgCl/l	9,792	0	
Chromium	50µgCr/l	11,688	0	
Conductivity	2500µS/cm at 20°C	43,900	0	
Copper	2mg/l	12,129	6	ANG (2), WSX (4)
Cyanide	50µgCN/l	8,197	0	
Fluoride	1.5mg/l	10,050	1	ANG (1)
Iron	200µg/l	45,282	96	AFW (1), ANG (6), BRL (1), DWR (1), ESK (1), NNE (14), SES (1), SEW (11), SRN (6), SWT (3), SVT (17), TMS (6), UUT (16), WSX (5), YKS (7)
Lead	10µg/l	12,059	69	AFW (6), ANG (3), BRL (1), ESK (1), NNE (5),

				SEW (3), SRN (2), SST (1), SWT (1), SVT (9), TMS (19), UUT (3), WSX (10), YKS (5)
Manganese	50µg/l	41,922	15	SRN (1), SWT (1), SVT (6), UUT (5), WSX (1), YKS (1)
Mercury	1µgHg/l	8,222	0	
Nickel	20µg/l	13,005	22	AFW (2), ANG (2), NNE (5), SES (1), SEW (2), SRN (1), SWT (2), SVT (2), TMS (4), WSX (1),
Nitrate	50mg/l	21,305	0	
Nitrite	0.5mg/l	21,328	3	ANG (1), ESK (2),
Nitrite (taken at works)	0.1mg/l	20,587	0	
Pesticides – total	0.5µg/l	8,780	0	
Pesticide – individual ²	0.1µg/l	216,003	54	2,4-D PRT (1) Bentazone ESK (4) Clopyralid UUT (1) Glyphosate UUT (1) Metaldehyde AFW (9), ANG (18), DWR (1), ESK (2), SEW (2), SRN (2), SVT (3), TMS (2), YKS (8)
pH (Hydrogen ion)	6.5 – 9.5	45,441	2	AFW (1), YKS (1)
Polycyclic Aromatic Hydrocarbons (PAH)	0.1µg/l	11,666	0	
Radioactivity				
Radon	100 Bq/l	1,437	0	
Indicative dose	0.1mSv/year	41	0	
Tritium	100Bq/l	1,529	0	
Selenium	0.1µg/l	11,515	0	
Sodium	200mg Na/l	11,800	0	
Sulphate	250mg SO ₄ /l	9,717	0	
Tetrachloroethene & Trichloroethene	10µg/l	11,272	0	The standard applies to the sum of the two substances
Tetrachloromethane	3µg/l	11,255	0	
Trihalomethanes Total	100µg/l	11,786	0	
Turbidity (at consumers' taps)	4NTU	47,500	7	ANG (1), ESK (1), SVT (2), UUT (2), YKS (1)
Notes:				
¹ For comparison, 1mg/l is one part in a million, 1µg/l is one part in a thousand million.				
² A further 12,442 tests were done for aldrin, dieldrin, heptachlor, heptachlor epoxide, all of which met the relevant standard of 0.03µg/l.				

Drinking Water 2016 - Microbiological tests - England

The number of tests performed and the number of tests not meeting the standard

Parameter	Current standard	Total number of tests	Number of tests not meeting the standard	Additional information
Water leaving water treatment works				
<i>E.coli</i>	0/100ml	157,821	0	
Coliform bacteria	0/100ml	157,818	28	ANG (3), ESK (1), NNE (1), SEW (9), SWT (1), SVT (5), TMS (3), UUT (2), WSX (1), YKS (1)
<i>Clostridium perfringens</i>	0/100ml	45,077	15	AFW (1), ESK (2), NNE (2), SBW (1), SWT (1), TMS (2), UUT (3), WSX (1), YKS (2)
Turbidity ¹	1NTU	152,991	27	ANG (3), AFW (1), CAM (1), DVW (2), ESK (1), HPL (1), NNE (9), SEW(3), SVT (2), TMS (1), UUT (2), YKS (1)
Water leaving service reservoirs				
<i>E.coli</i>	0/100ml	186,457	5	SES (1), TMS (3), WSX (1)
Coliform bacteria	0/100ml in 95% of tests at each reservoir	186,455	97	AFW (8), ANG (3), BRL (1), ESK (3), NNE (1), SES (2), SEW (10), SRN (2), SST (1), SWT (5), SVT (21), TMS (17), UUT (8), VWP (1), WSX (8), YKS (6) 2 reservoirs from a total of 3678 in the region did not meet the annual 95% compliance rule: Dovercourt New Reservoir (AFW) Fryerning Reservoir (ESK)
Water sampled at consumers' taps				
<i>E.coli</i>	0/100ml	141,853	22	ANG (1), BRL (2), ESK (1), SEW (1), SRN (1), SVT (3), TMS (8), UUT (4), YKS (1)
Enterococci	0/100ml	11,566	7	AFW (1), ANG (1), NNE (2), SRN (2), SWT (1)
¹ Turbidity is a critical control parameter for water treatment and disinfection.				