Data Summary Tables for Veolia Water Southeast (VSE)

These tables contain a summary of results of monitoring undertaken by the water company in 2010 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 2010'.
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 7 July 2011
Drinking Water Inspectorate
Area 4a
Ergon House
Horseferry Road
London
SW1P 2AL

Enquiries : 030 0068 6400

Viewing Site Summary Data for Veolia Water Southeast

Report Date Range: For the whole year 2010

Table VSE 1: Quality of water leaving 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 (Works)	A013B	0.1 mg NO2/l	121	0	< 0.008	< 0.008	0
Totals:			**121**	**0**			

Table VSE 2: Quality of water leaving 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
Coliform Bacteria	C001	0 number/100 ml	1,410	1	0	0	1
E Coli	C002	0 number/100 ml	1,410	0	0	0	0
Totals:			**2,820**	**1**			

Table VSE 3: Quality of water leaving 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 (Indicator)	C007	No abnormal change	1,410	n/a	0	19
Colony Counts After 48 Hours At 37°c (Indicator)	C013	No abnormal change	1,410	n/a	0	29
Residual Disinfectant - Total	C010	No abnormal change	1,410	n/a	0.19	0.48
Turbidity (Indicator)	A002A	1 nephelometric turbidity units	1,410	2	0.06	0.3789
Totals:			**5,640**	**2**		

Table VSE 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
Coliform Bacteria	C001	0 number/100 ml	631	0	0	0	0
E Coli	C002	0 number/100 ml	631	0	0	0	0
Totals:			**1,262**	**0**			

Table VSE 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 22°c (Indicator)	C007	No abnormal change	631	n/a	0	19
Colony Counts After 48 Hours At 37°c (Indicator)	C013	No abnormal change	631	n/a	0	4
Residual Disinfectant - Total	C010	No abnormal change	631	n/a	0.18	0.3668
Totals:			**1,893**	**0**		

Table VSE 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 with failures
1,2 Dichloroethane	F001	3 µg/l	44	0	< 0.1	< 0.1	0
Antimony	B008A	5 µg Sb/l	44	0	< 0.2	< 0.2	0
Arsenic	B001A	10 µg As/l	44	0	1	3.83	0
Benzene	F002	1 µg/l	44	0	< 0.01	< 0.01	0
Benzo (a) Pyrene	D007	0.01 µg/l	44	0	< 0.0005	< 0.0005	0
Boron	D005A	1 mg B/l	44	0	< 0.1	< 0.1	0
Bromate	F003	10 µg BrO3/l	44	0	< 0.5	< 0.5	0
Cadmium	B002	5 µg Cd/l	44	0	< 0.2	< 0.2	0
Chromium	B004	50 µg Cr/l	44	0	< 2	< 2	0
Copper	A024A	2 mg Cu/l	44	0	0.01	0.546	0
Cyanide	B003	50 µg CN/l	44	0	< 3	< 3	0
E Coli	C002	0 number/100 ml	420	0	0	0	0
Enterococci	C003	0 number/100 ml	44	0	0	0	0
Fluoride	A027	1.5 mg F/l	44	0	0.053	0.226	0
Lead	B007A	25 µg Pb/l	44	0	< 1	< 9.73	0
Mercury	B005	1 µg Hg/l	44	0	< 0.1	< 0.1	0
Nickel	B006A	20 µg Ni/l	44	0	< 2	< 9.17	0
Nitrate	A012	50 mg NO3/l	44	0	2	41.9	0
Nitrate/Nitrite Formula	A013C	1 mg NO2/l	44	0	< 0.04	< 0.838	0
Nitrite (Consumers tap)	A013A	0.5 mg NO2/l	44	0	< 0.008	< 0.008	0
Pesticides - Total Substances	B010	0.5 µg/l	45	0	0	0.025	0
Pesticides 2,4-D	P020	0.1 µg/l	44	0	< 0.008	< 0.008	0
Pesticides Aldrin	P002	0.03 µg/l	44	0	< 0.006	< 0.006	0
Pesticides Atrazine	P004	0.1 µg/l	44	0	< 0.007	< 0.019	0
Pesticides Bentazone	P006	0.1 µg/l	44	0	< 0.008	< 0.008	0
Pesticides Carbetamide	P010	0.1 µg/l	44	0	< 0.008	< 0.008	0
Pesticides Chlortoluron	P014	0.1 µg/l	44	0	< 0.007	< 0.007	0
Pesticides Clopyralid	P018	0.1 µg/l	44	0	< 0.008	< 0.011	0
Pesticides Cyanazine	P092	0.1 µg/l	44	0	< 0.007	< 0.007	0
Pesticides Dicamba	P025	0.1 µg/l	44	0	< 0.007	< 0.007	0
Pesticides Dichlorprop	P026	0.1 µg/l	44	0	< 0.008	< 0.008	0
Pesticides Dieldrin	P028	0.03 µg/l	44	0	< 0.006	< 0.006	0
Pesticides Diuron	P032	0.1 µg/l	44	0	< 0.006	< 0.006	0
Pesticides Fluroxypyr	P040	0.1 µg/l	44	0	< 0.008	< 0.008	0
Pesticides Heptachlor	P043	0.03 µg/l	44	0	< 0.006	< 0.006	0

Pesticides Heptachlor epoxide	P044	0.03 µg/l	44	0	< 0.007	< 0.007	0
Pesticides Isoproturon	P048	0.1 µg/l	44	0	< 0.006	< 0.006	0
Pesticides Linuron	P051	0.1 µg/l	44	0	< 0.009	< 0.009	0
Pesticides MCPA	P054	0.1 µg/l	44	0	< 0.008	< 0.008	0
Pesticides MCPB	P055	0.1 µg/l	44	0	< 0.008	< 0.008	0
Pesticides MCPP(Mecoprop)	P053	0.1 µg/l	44	0	< 0.008	< 0.008	0
Pesticides Metaldehyde	P226	0.1 µg/l	44	0	0.003	0.023	0
Pesticides Simazine	P073	0.1 µg/l	44	0	< 0.008	< 0.008	0
Pesticides Trietazine	P132	0.1 µg/l	44	0	< 0.008	< 0.008	0
Polycyclic aromatic hydrocarbons	B011F	0.1 µg/l	44	0	0	0.0017	0
Selenium	B009	10 µg Se/l	44	0	< 1	< 1	0
Tetrachloroethene/Trichloroethene - sum of two substances	D009B	10 µg/l	44	0	0	0	0
Total Trihalomethanes	D011	100 µg/l	44	0	1.53	61.93	0
Totals:			**2,489**	**0**			

Table VSE 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 with failures
Aluminium	A021	200 µg Al/l	44	0	5	72.3	0
Colour	A001	20 mg/l Pt/Co scale	88	0	< 1	< 1.8	0
Iron	A022	200 µg Fe/l	44	0	< 15	< 66.4	0
Manganese	A023	50 µg Mn/l	44	0	< 2	< 7.58	0
Organoleptic Odour	A003	0 Dilution number	88	0	0	0	0
Organoleptic Taste	A004	0 Dilution number	88	0	0	0	0
Sodium	A009	200 mg Na/l	44	0	9.25	41.2	0
Tetrachloromethane	D008	3 µg/l	44	0	< 0.12	< 0.12	0
Turbidity	A002	4 nephelometric turbidity units	176	0	0.0477	0.562	0
Totals:			**660**	**0**			

Table VSE 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 (Indicator)	A014	0.5 mg NH4/l	88	0	< 0.04	< 0.04
Chloride (Indicator)	D002A	250 mg Cl/l	44	0	22	69
Clostridium Perfringens (Indicator)	C004A	0 number/100 ml	44	0	0	0
Coliform Bacteria (Indicator)	C001A	0 number/100 ml	420	1	0	0
Colony Counts After 3 Days At 22°c (Indicator)	C007	No abnormal change	176	n/a	0	368
Colony Counts After 48 Hours At 37°c (Indicator)	C013	No abnormal change	176	n/a	0	375
Conductivity (Indicator)	D001	2500 µS/cm	176	0	251.91	661.3
Gross Alpha Activity	F004	0.1 Bq/l	44	0	< 0.004	< 0.05
Gross Beta Activity	F005	1 Bq/l	44	0	0.017	0.098
Hydrogen ion (pH)	A006	6.5 - 9.5 pH Value	176	0	6.877	7.8
Residual Disinfectant - Total	C010	No abnormal change	421	n/a	0.06	0.35
Sulphate (Indicator)	A007	250 mg SO4/l	44	0	5	34
Total organic carbon (indicator)	A017	No abnormal change	44	n/a	0.6	2.1
Tritium (Indicator)	F006	100 Bq/l	44	0	< 5	< 5
Totals:			**1,941**	**1**		