

Data Summary Tables for Yorkshire Water (YKS)

These tables represent a summary of test results from water samples taken by the water company in 2005 and submitted to the Drinking Water Inspectorate.

These tables are published annually by the Inspectorate as part of the Chief Inspector's Report. They are available on the Inspectorate's website at www.dwi.gov.uk

Notes relating to the interpretation of the tables : -

Columns on the following tables that are headed "Maximum" and "Minimum" contain figures for the 1 percentile and 99 percentile sample results 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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Table YKS 1: Quality of water leaving service treatment works - European Standards

Number of treatment works = 83

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Nitrite	0.1 mg NO ₂ /l	2715	0	<0.009	0.01	0
TOTAL	-	2715	0	-	-	-

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

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of works with failures
Coliform Bacteria	0 number/100 ml	15395	4	0	0	4
Cryptosporidium	Oocyst concentration / 10 l	2698	0	<0.006	<0.017	0
<i>E. coli</i>	0 number/100 ml	15395	0	0	0	0
TOTAL	-	33488	4	-	-	-

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

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	15391	0	0	11
Colony Counts After 48 Hours At 37°C	No abnormal change	15390	0	0	4
Residual Disinfectant - Free	No abnormal change	15404	0	<0.05	0.75
Residual Disinfectant - Total	No abnormal change	15404	0	0.05	0.9
Turbidity	1 NTU	14798	8	0.08	0.38
TOTAL	-	76387	8	-	-

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

Number of service reservoirs = 399

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of reservoirs failing standard
Coliform Bacteria	0 number/100 ml	19835	12	0	0	0*
<i>E. coli</i>	0 number/100 ml	19835	4	0	0	4
TOTAL	-	39670	16	-	-	-

* It is not possible to identify a dataset of 50 samples to enable assessment of compliance with 95% standard for R2790670 Gandale No'1 SRE

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

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Minimum	Maximum
Colony Counts After 3 Days At 22°C	No abnormal change	19828	0	330
Colony Counts After 48 Hours At 37°C	No abnormal change	19822	0	11
Residual Disinfectant - Free	No abnormal change	19928	<0.05	0.45
Residual Disinfectant - Total	No abnormal change	19927	<0.05	0.6
TOTAL	-	79505	-	-

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

Number of supply points = 93

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	Failures by supply point
Boron	1 mg B/l	107	0	0.001	0.04	0
Cyanide	50 µg CN/l	106	0	<2.1	17.213	0
Fluoride	1.5 mg F/l	106	0	0.03	0.184	0
Mercury	1 µg Hg/l	106	0	<0.04	0.549	0
Pesticides (2,4,5-T)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (2,4,-Db)	0.1 µg/l	105	0	<0.007	<0.007	0
Pesticides (2,4-D)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Aldrin)	0.03 µg/l	105	0	<0.009	<0.01	0
Pesticides (Alpha-HCH)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Atrazine)	0.1 µg/l	105	0	<0.001	0.006	0
Pesticides (Azinphos methyl)	0.1 µg/l	108	0	<0.005	<0.005	0
Pesticides (Bentazone)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Beta-HCH)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Bromacil)	0.1 µg/l	105	0	<0.006	0.019	0
Pesticides (Bromoxynil)	0.1 µg/l	105	0	<0.007	<0.007	0
Pesticides (Carbetamide)	0.1 µg/l	105	0	<0.005	<0.005	0
Pesticides (Chlordane)	0.1 µg/l	105	0	<0.01	<0.018	0
Pesticides (Chlorfenvinphos)	0.1 µg/l	108	0	<0.005	<0.005	0
Pesticides (Chloridazon)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Chlorothalonil)	0.1 µg/l	105	0	<0.007	<0.009	0
Pesticides (Chlorpropham)	0.1 µg/l	105	0	<0.004	<0.004	0
Pesticides (Chlorpyrifos)	0.1 µg/l	108	0	<0.002	<0.002	0
Pesticides (Chlortoluron)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Clopyralid)	0.1 µg/l	105	0	<0.01	0.016	0
Pesticides (Cyanazine)	0.1 µg/l	108	0	<0.006	<0.008	0
Pesticides (Delta-HCH)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Diazinon)	0.1 µg/l	108	0	<0.002	<0.002	0
Pesticides (Dicamba)	0.1 µg/l	105	0	<0.01	<0.01	0
Pesticides (Dichlobenil)	0.1 µg/l	105	0	<0.002	0.005	0
Pesticides (Dichlorprop)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Dichlorvos)	0.1 µg/l	108	0	<0.002	<0.002	0
Pesticides (Dieldrin)	0.03 µg/l	105	0	<0.004	<0.004	0
Pesticides (Dimethoate)	0.1 µg/l	108	0	<0.006	<0.006	0
Pesticides (Diuron)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Endosulfan A (alpha-Endosulfan))	0.1 µg/l	105	0	<0.004	<0.004	0
Pesticides (Endosulfan B (beta-Endosulfan))	0.1 µg/l	105	0	<0.007	<0.007	0

Pesticides (Endrin)	0.1 µg/l	105	0	<0.005	<0.01	0
Pesticides (Epoxyconazole)	0.1 µg/l	105	0	<0.006	<0.013	0
Pesticides (EPTC)	0.1 µg/l	105	0	<0.003	<0.018	0
Pesticides (Fenoprop)	0.1 µg/l	105	0	<0.004	<0.004	0
Pesticides (Fenpropidin)	0.1 µg/l	105	0	<0.006	<0.006	0
Pesticides (Fenpropimorph)	0.1 µg/l	105	0	<0.007	<0.007	0
Pesticides (Fluazifop-butyl)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Fluroxypyr)	0.1 µg/l	105	0	<0.004	<0.006	0
Pesticides (Flusilazole)	0.1 µg/l	105	0	<0.003	<0.005	0
Pesticides (Flutriafol)	0.1 µg/l	105	0	<0.005	<0.009	0
Pesticides (Gamma-HCH (Lindane))	0.1 µg/l	105	0	<0.001	<0.001	0
Pesticides (Heptachlor)	0.03 µg/l	105	0	<0.004	0.007	0
Pesticides (Heptachlor epoxide)	0.03 µg/l	105	0	<0.007	<0.007	0
Pesticides (Hexachlorobenzene)	0.1 µg/l	105	0	<0.002	<0.003	0
Pesticides (Imazapyr)	0.1 µg/l	105	0	<0.006	<0.006	0
Pesticides (Ioxynil)	0.1 µg/l	105	0	<0.008	<0.008	0
Pesticides (Iprodione)	0.1 µg/l	105	0	<0.004	<0.006	0
Pesticides (Isodrin)	0.1 µg/l	105	0	<0.009	<0.01	0
Pesticides (Isoproturon)	0.1 µg/l	105	0	<0.002	0.03	0
Pesticides (Linuron)	0.1 µg/l	105	0	<0.004	<0.004	0
Pesticides (MCPA)	0.1 µg/l	105	0	<0.002	0.018	0
Pesticides (MCPB)	0.1 µg/l	105	0	<0.006	<0.006	0
Pesticides (MCPP(Mecoprop))	0.1 µg/l	105	0	<0.004	0.02	0
Pesticides (Metazachlor)	0.1 µg/l	105	0	<0.005	<0.005	0
Pesticides (Methabenzthiazuron)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Monuron)	0.1 µg/l	105	0	<0.002	<0.002	0
Pesticides (op-DDD (TDE))	0.1 µg/l	105	0	<0.005	<0.005	0
Pesticides (op-DDE)	0.1 µg/l	105	0	<0.003	0.005	0
Pesticides (op-DDT)	0.1 µg/l	105	0	<0.008	0.015	0
Pesticides (Oxadixyl)	0.1 µg/l	108	0	<0.003	<0.003	0
Pesticides (Pendimethalin)	0.1 µg/l	105	0	<0.004	0.01	0
Pesticides (Pentachlorophenol)	0.1 µg/l	105	0	<0.008	<0.008	0
Pesticides (pp-DDD (TDE))	0.1 µg/l	105	0	<0.005	0.006	0
Pesticides (pp-DDE)	0.1 µg/l	105	0	<0.002	0.004	0
Pesticides (pp-DDT)	0.1 µg/l	105	0	<0.006	<0.006	0
Pesticides (Propachlor)	0.1 µg/l	105	0	<0.003	<0.003	0
Pesticides (Propetamphos)	0.1 µg/l	108	0	<0.002	<0.002	0
Pesticides (Propham)	0.1 µg/l	105	0	<0.006	<0.008	0
Pesticides (Propiconazole)	0.1 µg/l	105	0	<0.004	<0.006	0
Pesticides (Propyzamide)	0.1 µg/l	105	0	<0.001	0.008	0
Pesticides (Quintozene)	0.1 µg/l	105	0	<0.003	<0.003	0

Pesticides (Simazine)	0.1 µg/l	105	0	<0.001	0.009	0
Pesticides (Tecnazene)	0.1 µg/l	105	0	<0.004	<0.004	0
Pesticides (Terbuthylazine)	0.1 µg/l	105	0	<0.002	<0.002	0
Pesticides (Terbutryn)	0.1 µg/l	105	0	<0.001	<0.001	0
Pesticides (Triadimefon)	0.1 µg/l	105	0	<0.002	<0.017	0
Pesticides (Tri-allate)	0.1 µg/l	105	0	<0.001	<0.001	0
Pesticides (Trichlopyr)	0.1 µg/l	105	0	<0.002	<0.004	0
Pesticides (Trietazine)	0.1 µg/l	105	0	<0.002	<0.002	0
Pesticides (Trifluralin)	0.1 µg/l	105	0	<0.006	<0.008	0
Pesticides - Total Substances	0.5 µg/l	105	0	<0.05	<0.05	0
TOTAL	-	9167	0	-	-	-

Table YKS 7: Quality of water leaving bulk supply points - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Chloride	250 mg Cl/l	106	0	7.784	60.299
<i>Clostridium perfringens</i>	0 number/100 ml	4731	6	0	0
Radioactivity - Gross Alpha	0.1 Bq/l	106	0	<0.05	<0.1
Radioactivity - Gross Beta	1 Bq/l	106	0	<0.5	<1
Total Organic Carbon (TOC)	No abnormal change	106	0	1.222	3.357
TOTAL	-	5155	6	-	-

Table YKS 8: Quality of water at consumer's tap (zones) - European Standards (amended Oct 06)

Number of zones = 78

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
1,2 Dichloroethane	3 µg/l	601	0	<0.2	<0.2	0
Antimony	5 µg Sb/l	598	1	<0.17	3.13	1
Arsenic	10 µg As/l	599	0	<0.12	2.21	0
Benzene	1 µg/l	601	0	<0.05	<0.05	0
Benzo (a) Pyrene	0.01 µg/l	596	0	<0.0004	0.0014	0
Boron	1 mg B/l	607	0	0.004	0.05	0
Bromate	10 µg BrO ₃ /l	598	4	<0.6	8.602	4
Cadmium	5 µg Cd/l	598	0	<0.01	0.14	0
Chromium	50 µg Cr/l	598	0	<0.12	1.57	0
Copper	2 mg Cu/l	610	0	<0.003	0.127	0
Cyanide	50 µg CN/l	422	0	<2.1	8.7	0
<i>E. coli</i>	0 number/100 ml	11767	1	0	0	1
Enterococci	0 number/100 ml	608	0	0	0	0
Fluoride	1.5 mg F/l	599	0	0.02	0.65	0
Lead	25 µg Pb/l	1487	2	<0.14	12.724	2
Mercury	1 µg Hg/l	422	0	<0.04	0.088	0
Nickel	20 µg Ni/l	598	0	<0.5	3.09	0
Nitrate	50 mg NO ₃ /l	898	0	1.0497	42.552	0
Nitrite	0.5 mg NO ₂ /l	898	0	<0.009	0.08	0
Nitrate/Nitrite Formula	≤ 1	885	0	<0.58	0.852	0
Polycyclic aromatic hydrocarbons (PAHs)	0.1 µg/l	611	0	<0.003	0.006	0
Selenium	10 µg Se/l	599	0	<0.3	1.22	0
Tetrachloroethene/Trichloroethene	10 µg/l	600	0	<0.2	<0.2	0
Trihalomethanes (THMs)	100 µg/l	601	0	<4	80.24	0
Pesticides (2,4,5-T)	0.1 µg/l	482	0	<0.003	<0.003	0
Pesticides (2,4,-Db)	0.1 µg/l	482	0	<0.007	<0.007	0
Pesticides (2,4-D)	0.1 µg/l	482	0	<0.003	0.009	0
Pesticides (Aldrin)	0.03 µg/l	479	0	<0.009	<0.009	0
Pesticides (Alpha-HCH)	0.1 µg/l	479	0	<0.003	<0.003	0
Pesticides (Atrazine)	0.1 µg/l	479	0	<0.001	0.0228	0
Pesticides (Azinphos methyl)	0.1 µg/l	485	0	<0.005	<0.005	0
Pesticides (Bentazone)	0.1 µg/l	482	0	<0.003	0.006	0
Pesticides (Beta-HCH)	0.1 µg/l	479	0	<0.003	<0.003	0
Pesticides (Bromacil)	0.1 µg/l	479	0	<0.006	0.009	0
Pesticides (Bromoxynil)	0.1 µg/l	482	0	<0.007	<0.007	0

Pesticides (Carbetamide)	0.1 µg/l	480	0	<0.005	<0.005	0
Pesticides (Chlordane)	0.1 µg/l	479	0	<0.01	<0.017	0
Pesticides (Chlorfenvinphos)	0.1 µg/l	485	0	<0.005	<0.005	0
Pesticides (Chloridazon)	0.1 µg/l	481	0	<0.003	<0.003	0
Pesticides (Chlorothalonil)	0.1 µg/l	479	0	<0.007	<0.007	0
Pesticides (Chlorpropham)	0.1 µg/l	480	0	<0.004	<0.004	0
Pesticides (Chlorpyrifos)	0.1 µg/l	485	0	<0.002	<0.002	0
Pesticides (Chlortoluron)	0.1 µg/l	480	0	<0.003	0.004	0
Pesticides (Clopyralid)	0.1 µg/l	482	0	<0.01	0.012	0
Pesticides (Cyanazine)	0.1 µg/l	485	0	<0.006	0.012	0
Pesticides (Delta-HCH)	0.1 µg/l	479	0	<0.003	<0.003	0
Pesticides (Diazinon)	0.1 µg/l	485	0	<0.002	<0.002	0
Pesticides (Dicamba)	0.1 µg/l	482	0	<0.01	<0.01	0
Pesticides (Dichlobenil)	0.1 µg/l	479	0	<0.002	0.004	0
Pesticides (Dichlorprop)	0.1 µg/l	482	0	<0.003	<0.003	0
Pesticides (Dichlorvos)	0.1 µg/l	485	0	<0.002	<0.002	0
Pesticides (Dieldrin)	0.03 µg/l	479	0	<0.004	<0.004	0
Pesticides (Dimethoate)	0.1 µg/l	485	0	<0.006	<0.006	0
Pesticides (Diuron)	0.1 µg/l	480	0	<0.003	<0.003	0
Pesticides (Endosulfan A (alpha-Endosulfan))	0.1 µg/l	479	0	<0.004	<0.004	0
Pesticides (Endosulfan B (beta-Endosulfan))	0.1 µg/l	479	0	<0.007	<0.007	0
Pesticides (Endrin)	0.1 µg/l	479	0	<0.005	<0.005	0
Pesticides (Epoxyconazole)	0.1 µg/l	479	0	<0.006	<0.006	0
Pesticides (EPTC)	0.1 µg/l	479	0	<0.003	<0.003	0
Pesticides (Fenoprop)	0.1 µg/l	483	0	<0.004	<0.004	0
Pesticides (Fenpropidin)	0.1 µg/l	479	0	<0.006	<0.006	0
Pesticides (Fenpropimorph)	0.1 µg/l	479	0	<0.007	<0.007	0
Pesticides (Fluazifop-butyl)	0.1 µg/l	479	0	<0.003	0.003	0
Pesticides (Fluroxypyr)	0.1 µg/l	483	0	<0.004	<0.006	0
Pesticides (Flusilazole)	0.1 µg/l	479	0	<0.003	<0.004	0
Pesticides (Flutriafol)	0.1 µg/l	479	0	<0.005	0.008	0
Pesticides (Gamma-HCH (Lindane))	0.1 µg/l	479	0	<0.001	<0.001	0
Pesticides (Heptachlor)	0.03 µg/l	479	0	<0.004	0.005	0
Pesticides (Heptachlor epoxide)	0.03 µg/l	479	0	<0.007	<0.007	0
Pesticides (Hexachlorobenzene)	0.1 µg/l	497	0	<0.002	<0.002	0
Pesticides (Imazapyr)	0.1 µg/l	483	0	<0.006	<0.008	0
Pesticides (Ioxynil)	0.1 µg/l	482	0	<0.008	<0.008	0
Pesticides (Iprodione)	0.1 µg/l	479	0	<0.004	<0.006	0
Pesticides (Isodrin)	0.1 µg/l	479	0	<0.009	<0.009	0
Pesticides (Isoproturon)	0.1 µg/l	480	0	<0.002	0.012	0
Pesticides (Linuron)	0.1 µg/l	480	0	<0.004	<0.004	0

Pesticides (MCPA)	0.1 µg/l	482	0	<0.002	0.016	0
Pesticides (MCPB)	0.1 µg/l	482	0	<0.006	<0.006	0
Pesticides (MCPP(Mecoprop))	0.1 µg/l	482	0	<0.004	0.031	0
Pesticides (Metazachlor)	0.1 µg/l	479	0	<0.005	<0.005	0
Pesticides (Methabenzthiazuron)	0.1 µg/l	481	0	<0.003	<0.0033	0
Pesticides (Monuron)	0.1 µg/l	480	0	<0.002	0.006	0
Pesticides (op-DDD (TDE))	0.1 µg/l	479	0	<0.005	<0.005	0
Pesticides (op-DDE)	0.1 µg/l	479	0	<0.003	0.004	0
Pesticides (op-DDT)	0.1 µg/l	479	0	<0.008	0.009	0
Pesticides (Oxadixyl)	0.1 µg/l	485	0	<0.003	<0.003	0
Pesticides (Pendimethalin)	0.1 µg/l	479	0	<0.004	0.007	0
Pesticides (Pentachlorophenol)	0.1 µg/l	483	0	<0.008	<0.008	0
Pesticides (pp-DDD (TDE))	0.1 µg/l	479	0	<0.005	<0.005	0
Pesticides (pp-DDE)	0.1 µg/l	479	0	<0.002	0.003	0
Pesticides (pp-DDT)	0.1 µg/l	479	0	<0.006	<0.006	0
Pesticides (Propachlor)	0.1 µg/l	479	0	<0.003	<0.003	0
Pesticides (Propetamphos)	0.1 µg/l	485	0	<0.002	<0.002	0
Pesticides (Propham)	0.1 µg/l	480	0	<0.006	<0.006	0
Pesticides (Propiconazole)	0.1 µg/l	479	0	<0.004	<0.006	0
Pesticides (Propyzamide)	0.1 µg/l	479	0	<0.001	0.008	0
Pesticides (Quintozene)	0.1 µg/l	479	0	<0.003	<0.003	0
Pesticides (Simazine)	0.1 µg/l	479	0	<0.001	0.01	0
Pesticides (Tecnazene)	0.1 µg/l	479	0	<0.004	<0.004	0
Pesticides (Terbutylazine)	0.1 µg/l	479	0	<0.002	0.009	0
Pesticides (Terbutryn)	0.1 µg/l	479	0	<0.001	<0.001	0
Pesticides (Triadimefon)	0.1 µg/l	479	0	<0.002	<0.002	0
Pesticides (Tri-allate)	0.1 µg/l	479	0	<0.001	<0.001	0
Pesticides (Trichlopyr)	0.1 µg/l	482	0	<0.002	0.003	0
Pesticides (Trietazine)	0.1 µg/l	479	0	<0.002	0.01	0
Pesticides (Trifluralin)	0.1 µg/l	479	0	<0.0066	<0.009	0
Pesticides - Total Substances	0.5 µg/l	469	0	<0.05	0.096	0
TOTAL	-	66887	8	-	-	-

Table YKS 9: Quality of water at consumer's tap (zones) - National Standards

Parameter	Prescribed Concentration or Value	Total number of tests	Tests failed	Minimum	Maximum	No. of zones with failures
Aluminium	200 µg Al/l	3920	3	<7	80.79	3
Colour	20 mg/l Pt/Co scale	11743	0	<1.5	4.2	0
Hydrogen ion (pH)	6.5 - 10 pH value	11743	0	7	8.9	0
Iron	200 µg Fe/l	3920	16	<6.5	136.74	14
Manganese	50 µg Mn/l	3920	5	<0.4	16.479	5
Organoleptic Odour	Dilution No. 3 at 25°C	3932	0	0	0	0
Organoleptic Taste	Dilution No. 3 at 25°C	3914	0	0	0	0
Sodium	200 mg Na/l	598	0	5.06	32.702	0
Tetrachloromethane	3 µg/l	602	0	<0.1	0.1	0
Turbidity	4 NTU	11293	3	<0.11	0.48	3
TOTAL	-	55585	27	-	-	-

Table YKS 10: Quality of water at consumer's tap (zones) - Additional Monitoring Requirements

Indicator Parameter	Prescribed Concentration or Value	Total number of tests	Tests Exceeding Specification	Minimum	Maximum
Ammonium	0.5 mg NH ₄ /l	3914	0	<0.01	0.159
Chloride	250 mg Cl/l	576	0	7.531	49.891
<i>Clostridium perfringens</i>	0 number/100 ml	3916	7	0	0
Coliform Bacteria	0 number/100 ml	11767	72	0	0
Colony Counts After 3 Days At 22°C	No abnormal change	3943	0	0	89
Colony Counts After 48 Hours At 37°C	No abnormal change	3945	0	0	31
Conductivity	2500 µS/cm	11699	0	114	659
Hydrogen ion (pH)	9.5 pH Value	11743	0	7	8.9
Radioactivity - Gross Alpha	0.1 Bq/l	438	1	<0.05	<0.1
Radioactivity - Gross Beta	1 Bq/l	438	0	<0.5	<1
Residual Disinfectant - Free	No abnormal change	11780	0	<0.05	0.45
Residual Disinfectant - Total	No abnormal change	11780	0	<0.05	0.5
Sulphate	250 mg SO ₄ /l	598	0	8.57	164
Total Organic Carbon (TOC)	No abnormal change	438	0	0.784	5.226
TOTAL	-	76975	80	-	-