

UTILITY SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)

SERVICES RENDERED	UNIT	REMARKS	2008/09 R excl. VAT	VAT Yes/No	2009/10 R excl. VAT
LAB TESTS WATER (DRINKING)		All charges are per test.			
pH			22.39	y	24.18
Conductivity mS/m			22.39	y	24.18
Alkalinity mg/l CaCO ³			22.39	y	24.18
Chloride mg/l Cl			22.39	y	24.18
Colour			22.39	y	24.18
Calcium mg/l Ca			33.58	y	36.27
Magnesium mg/l Mg			33.58	y	36.27
Aluminium mg/ Al			33.58	y	36.27
Iron mg/l Fe			33.58	y	36.27
Manganese mg/l Mn			33.58	y	36.27
Sodium mg/ Na			33.58	y	36.27
Potassium mg/l K			33.58	y	36.27
Sulphate mg/l SO ₄			33.58	y	36.27
UV 4cm at 300nm			33.58	y	36.27
Ammonia mg/l N			33.58	y	36.27
Chlorine (DPD) mg/l Cl			33.58	y	36.27
Total Dissolved Solids			33.58	y	36.27
Nitrate/Nitrite mg/l N			33.58	y	36.27
Fluoride mg/l F			33.58	y	36.27
Turbidity NTU			33.58	y	36.27
Copper mg/l Cu			33.58	y	36.27

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			R	Yes/No	R
Silica mg/1 Si			33.58	y	36.27
Phosphorus mg/1 P			33.58	y	36.27
Geosmin and 2 methylisoborneol ng/1			671.59	y	725.00
Trihalomethanes µg/1			335.79	y	363.00
Organochlorine pesticides			895.45	y	967.00
Volatile gases O ² ,N ² ,CO ² ,CH ₄			44.77	y	48.35
LAB TESTS TOXIN ANALYSIS		All charges are per test.			
Mycrocystin					
Eliza			447.73	y	484.00
HPLC			671.59	y	725.00
Algal Enumeration			55.97	y	60.44
LAB TESTS WASTEWATER		All charges are per test.			
Suspended Solids (+sludges)			51.49	y	55.61
Vol.Susp.Solids (+sludges)			57.09	y	61.65
Settleable Solids			29.10	y	31.43
Total Solids (+sludges)			51.49	y	55.61
COD			86.19	y	93.08
COD (filt)			86.19	y	93.08
TKN			86.19	y	93.08
Ammonia			51.49	y	55.61
Nitrate			69.40	y	74.95

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SERVICES RENDERED	UNIT	REMARKS	2008/09 R	VAT Yes/No	2009/10 R
Total Phosphate			86.19	y	93.08
Ortho-phosphate			57.09	y	61.65
Chloride			51.49	y	55.61
Sulphate			62.68	y	67.70
pH (+sludges)			23.51	y	25.39
Conductivity			23.51	y	25.39
Alkalinity			51.49	y	55.61
SVI			29.10	y	31.43
DSVI			29.10	y	31.43
Volatile Acids			57.09	y	61.65
Tannin			57.09	y	61.65
Hydrazine			57.09	y	61.65
Residual Chlorine			34.70	y	37.47
Metals* (Raw Influent)			1,177.52	y	1,272.00
Metals* (Final Effluent)			1,177.52	y	1,272.00
Metals (Sludges)			1,230.13	y	1,329.00
LAB TESTS BACTERIOLOGICAL POTABLE (treated) WATER		All charges are per test.			
Microbiological Testing of Potable water		Includes Heterotrophic Plate Count/ml; Total coliform Count/100ml; Faecal Coliform Count/100ml;E coli Count/100ml	156.70	y	169.00

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INDIVIDUAL TESTS (treated water)		All charges are per test.			
Total heterotrophic Plate Count/ml			50.37	y	54.40
Total Coliform Count/100ml(membrane filtration method)			76.11	y	82.20
Faecal Coliform count/100ml(membrane filtration method)			76.11	y	82.20
<i>E coli</i> + Faecal Coliform Count/100ml (membrane filtration method)			83.95	y	90.66
Total Coliform + <i>E coli</i> /100ml (Colilert method)			134.32	y	145.06
<i>Pseudomonas</i>			77.23	y	83.41
INDIVIDUAL TESTS (environmental water)		All charges are per test.			
<i>E coli</i> + Faecal Coliform Count/100ml (membrane filtration method)			91.78	y	99.13
<i>E coli</i> + Count/100ml (1dilution) (colilert method)			134.32	y	145.06
For every additional dilution (colilert method)			50.37	y	54.40
<i>Enterococcus</i> count/100ml (membrane filtration method)			85.07	y	91.87