

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	VAT Yes/No	2020/21 Recalculated excl. VAT	2020/21 R incl. VAT	% Increase / decrease
	LAB TESTS: WATER (DRINKING)		All charges are per test.						
FCR	pH			41.39	47.60	y	43.48	50.00	5.04%
FCR	Conductivity			41.39	47.60	y	43.48	50.00	5.04%
FCR	Alkalinity			41.39	47.60	y	43.48	50.00	5.04%
FCR	Chloride			41.39	47.60	y	43.48	50.00	5.04%
FCR	Colour			41.39	47.60	y	43.48	50.00	5.04%
FCR	Calcium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Magnesium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Aluminium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Iron mg			62.09	71.40	y	65.22	75.00	5.04%
FCR	Antimony			62.09	71.40	y	65.22	75.00	5.04%
FCR	Arsenic (undigested)			62.09	71.40	y	65.22	75.00	5.04%
FCR	Cyanide (total dissolved)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Phenol (total dissolved or free)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Selenium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Total Organic Carbon (TOC)			178.70	205.50	y	187.83	216.00	5.11%
FCR	Cadmium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Chromium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Cobalt			62.09	71.40	y	65.22	75.00	5.04%
FCR	Lead			62.09	71.40	y	65.22	75.00	5.04%
FCR	Nickel			62.09	71.40	y	65.22	75.00	5.04%
FCR	Strontium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Total Hardness			62.09	71.40	y	65.22	75.00	5.04%
FCR	Calcium Hardness			62.09	71.40	y	65.22	75.00	5.04%
FCR	Magnesium Hardness			62.09	71.40	y	65.22	75.00	5.04%
FCR	Turbidity NTU			62.09	71.40	y	65.22	75.00	5.04%
FCR	Vanadium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Zinc			62.09	71.40	y	65.22	75.00	5.04%
FCR	Manganese			62.09	71.40	y	65.22	75.00	5.04%
FCR	Sodium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Potassium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Sulphate			62.09	71.40	y	65.22	75.00	5.04%
FCR	UV 4cm at 300nm			62.09	71.40	y	65.22	75.00	5.04%
FCR	Ammonia			62.09	71.40	y	65.22	75.00	5.04%
FCR	Residual Chlorine (DPD)			62.09	71.40	y	65.22	75.00	5.04%
FCR	Total Dissolved Solids			62.09	71.40	y	65.22	75.00	5.04%
FCR	Nitrite (NO2)			62.09	71.40	y	65.22	75.00	5.04%

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	VAT Yes/No	2020/21 Recalculated excl. VAT	2020/21 R incl. VAT	% Increase / decrease
FCR	Nitrate (NO3)			62.09	71.40	y	65.22	75.00	5.04%
FCR	Nitrate + Nitrite			62.09	71.40	y	65.22	75.00	5.04%
FCR	Fluoride			62.09	71.40	y	65.22	75.00	5.04%
FCR	Copper			62.09	71.40	y	65.22	75.00	5.04%
FCR	Silica			62.09	71.40	y	65.22	75.00	5.04%
FCR	Phosphate (Total)			62.09	71.40	y	65.22	75.00	5.04%
FCR	Geosmin and 2 Methylisoborneol			1 246.00	1 432.90	y	1 309.57	1 506.00	5.10%
FCR	Trihalomethanes			623.57	717.10	y	655.39	753.70	5.10%
	LAB TESTS WASTEWATER/SOLID		All charges are per test.						
FCR	Total Suspended Solids			96.09	110.50	y	100.96	116.10	5.07%
FCR	Total + Volatile Suspended Solids			105.57	121.40	y	110.96	127.60	5.11%
FCR	Total + Volatile Solids			105.57	121.40	y	110.96	127.60	5.11%
FCR	Settleable Solids			53.65	61.70	y	56.35	64.80	5.02%
FCR	Total Solids			96.09	110.50	y	100.96	116.10	5.07%
FCR	COD			160.52	184.60	y	168.70	194.00	5.09%
FCR	COD (filt)			160.52	184.60	y	168.70	194.00	5.09%
FCR	TKN			160.52	184.60	y	168.70	194.00	5.09%
FCR	Ammonia			96.09	110.50	y	100.96	116.10	5.07%
FCR	Nitrate			128.78	148.10	y	135.39	155.70	5.13%
FCR	Nitrite			128.78	148.10	y	135.39	155.70	5.13%
FCR	Nitrate + Nitrite			128.78	148.10	y	135.39	155.70	5.13%
FCR	Total Phosphorous			160.52	184.60	y	168.70	194.00	5.09%
FCR	Ortho-phosphate			105.57	121.40	y	110.96	127.60	5.11%
FCR	Chloride			96.09	110.50	y	100.96	116.10	5.07%
FCR	Sulphate			116.70	134.20	y	122.61	141.00	5.07%
FCR	pH			41.39	47.60	y	43.48	50.00	5.04%
FCR	pH (+sludges)			43.83	50.40	y	46.09	53.00	5.16%
FCR	Conductivity			43.83	50.40	y	46.09	53.00	5.16%
FCR	Alkalinity			96.09	110.50	y	100.96	116.10	5.07%
FCR	SVI			53.65	61.70	y	56.35	64.80	5.02%
FCR	DSVI			53.65	61.70	y	56.35	64.80	5.02%
FCR	Volatile Fatty Acids			105.57	121.40	y	110.96	127.60	5.11%
FCR	Tannin			105.57	121.40	y	110.96	127.60	5.11%
FCR	Hydrazine			105.57	121.40	y	110.96	127.60	5.11%
FCR	Hydrogen Sulphide			62.09	71.40	y	65.22	75.00	5.04%
FCR	Residual Chlorine			64.43	74.10	y	67.74	77.90	5.13%

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	VAT Yes/No	2020/21 Recalculated excl. VAT	2020/21 R incl. VAT	% Increase / decrease
FCR	Arsenic (digested)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Arsenic (undigested)			62.09	71.40	y	65.22	75.00	5.04%
FCR	BOD			278.35	320.10	y	292.52	336.40	5.09%
FCR	Boron			116.70	134.20	y	122.61	141.00	5.07%
FCR	Cyanide (total dissolved)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Fats & Oils (Gravimetric)			515.48	592.80	y	541.74	623.00	5.09%
FCR	Mercury			257.74	296.40	y	270.87	311.50	5.09%
FCR	Phenols (Total dissolved)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Metals (Individual)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Metals (Individual for Boreholes)			62.09	71.40	y	65.22	75.00	5.04%
FCR	Metals (Individual for TCLP)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Metals (Total - Raw Influent)			2 185.48	2 513.30	y	2 296.96	2 641.50	5.10%
FCR	Metals (Total - Final Effluent)			2 185.48	2 513.30	y	2 296.96	2 641.50	5.10%
FCR	Metals (Total - Sludges)			2 284.00	2 626.60	y	2 400.52	2 760.60	5.10%
FCR	Calcium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Potassium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Lithium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Magnesium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Molybdenum			160.52	184.60	y	168.70	194.00	5.09%
FCR	Selenium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Sodium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Flashpoint			160.52	184.60	y	168.70	194.00	5.09%
	LAB TESTS: TOXIN ANALYSIS		All charges are per test.						
FCR	Microcystin - Eliza Method			1 135.30	1 305.60	y	1 193.22	1 372.20	5.10%
FCR	Mircocystin - HPLC Method			1 246.00	1 432.90	y	1 309.57	1 506.00	5.10%
	HYDROBIOLOGICAL ANALYSIS								
	Individual Tests								
FCR	Algal Enumeration & Identification			223.65	257.20	y	235.04	270.30	5.09%
FCR	Chlorophyll-a			206.78	237.80	y	217.30	249.90	5.09%
FCR	Phaeophytin			206.78	237.80	y	217.30	249.90	5.09%
	Price for combined tests			429.13	493.50	y	451.04	518.70	5.11%
	Algal Enumeration & Identification								
	Chlorophyll-a								
	Phaeophytin								

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	VAT Yes/No	2020/21 Recalculated excl. VAT	2020/21 R incl. VAT	% Increase / decrease
	LAB TESTS BACTERIOLOGICAL								
	INDIVIDUAL TESTS (treated water)		All charges are per test.						
FCR	Total heterotrophic Plate Count			93.65	107.70	y	98.43	113.20	5.11%
FCR	Total Coliform Count (membrane filtration			140.96	162.10	y	148.17	170.40	5.12%
FCR	Faecal Coliform Count (membrane filtration			140.96	162.10	y	148.17	170.40	5.12%
FCR	<i>E coli</i> + Faecal Coliform Count (membrane			155.48	178.80	y	163.39	187.90	5.09%
FCR	Total Coliform + <i>E coli</i> (Colilert method)			249.22	286.60	y	261.91	301.20	5.09%
FCR	<i>Pseudomonas</i>			143.39	164.90	y	150.70	173.30	5.09%
	INDIVIDUAL TESTS (environmental water)		All charges are per test.						
FCR	<i>E coli</i> + Faecal Coliform Count (membrane			170.09	195.60	y	178.78	205.60	5.11%
FCR	<i>E coli</i> Count (1dilution) (colilert method)			249.22	286.60	y	261.91	301.20	5.09%
FCR	For every additional dilution (colilert method)			93.65	107.70	y	98.43	113.20	5.11%
FCR	Enterococcus Count (membrane filtration			157.91	181.60	y	166.00	190.90	5.12%
FCR	PARASITES		Combined charges	3 763.39	4 327.90	y	3 955.30	4 548.60	5.10%
	Cryptosporidium and Giardia								
	LAB TESTS: HYDRO-ENVIRONMENTAL		All charges are per test.						
FCR	Alkalinity			96.09	110.50	y	100.96	116.10	5.07%
FCR	Aluminium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Ammonia			96.09	110.50	y	100.96	116.10	5.07%
FCR	Arsenic (digested)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Arsenic (undigested)			62.09	71.40	y	65.22	75.00	5.04%
FCR	BOD			278.35	320.10	y	292.52	336.40	5.09%
FCR	Boron			116.70	134.20	y	122.61	141.00	5.07%
FCR	Cadmium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Calcium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Calcium Hardness			62.09	71.40	y	65.22	75.00	5.04%
FCR	Chloride			96.09	110.50	y	100.96	116.10	5.07%
FCR	Chromium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Cobalt			62.09	71.40	y	65.22	75.00	5.04%
FCR	COD			160.52	184.60	y	168.70	194.00	5.09%
FCR	COD (filtered)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Conductivity			43.83	50.40	y	46.09	53.00	5.16%
FCR	Copper			62.09	71.40	y	65.22	75.00	5.04%

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	VAT Yes/No	2020/21 Recalculated excl. VAT	2020/21 R incl. VAT	% Increase / decrease
FCR	Cyanide (total dissolved)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Dissolved Oxygen (probe)			41.39	47.60	y	43.48	50.00	5.04%
FCR	Flouride			62.09	71.40	y	65.22	75.00	5.04%
FCR	Geosmin & 2-Methylisoborneol			1 246.00	1 432.90	y	1 309.57	1 506.00	5.10%
FCR	Iron			62.09	71.40	y	65.22	75.00	5.04%
FCR	Lead			62.09	71.40	y	65.22	75.00	5.04%
FCR	Lithium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Magnesium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Magnesium Hardness			62.09	71.40	y	65.22	75.00	5.04%
FCR	Manganese			62.09	71.40	y	65.22	75.00	5.04%
FCR	Mercury			257.74	296.40	y	270.87	311.50	5.09%
FCR	Molybdenum			160.52	184.60	y	168.70	194.00	5.09%
FCR	Metals (Individual)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Metals (Individual for Boreholes)			62.09	71.40	y	65.22	75.00	5.04%
FCR	Metals (Total - Sludges)		Combined Charge	2 284.00	2 626.60	y	2 400.52	2 760.60	5.10%
FCR	Nickel			62.09	71.40	y	65.22	75.00	5.04%
FCR	Nitrate			128.78	148.10	y	135.39	155.70	5.13%
FCR	Nitrite			128.78	148.10	y	135.39	155.70	5.13%
FCR	Nitrate + Nitrite			128.78	148.10	y	135.39	155.70	5.13%
FCR	Ortho-phosphate			105.57	121.40	y	110.96	127.60	5.11%
FCR	pH			41.39	47.60	y	43.48	50.00	5.04%
FCR	pH (Sludges)			43.83	50.40	y	46.09	53.00	5.16%
FCR	Phenols (total dissolved)			160.52	184.60	y	168.70	194.00	5.09%
FCR	Potassium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Residual Chlorine (DPD)			62.09	71.40	y	65.22	75.00	5.04%
FCR	Selenium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Silica			62.09	71.40	y	65.22	75.00	5.04%
FCR	Sodium			160.52	184.60	y	168.70	194.00	5.09%
FCR	Strontium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Sulphate			116.70	134.20	y	122.61	141.00	5.07%
FCR	Total Dissolved Solids			62.09	71.40	y	65.22	75.00	5.04%
FCR	Total Hardness			62.09	71.40	y	65.22	75.00	5.04%
FCR	TPON			160.52	184.60	y	168.70	194.00	5.09%
FCR	Total Phosphorous			160.52	184.60	y	168.70	194.00	5.09%
FCR	Total Solids			96.09	110.50	y	100.96	116.10	5.07%
FCR	Total Suspended Solids			96.09	110.50	y	100.96	116.10	5.07%
FCR	Total + Volatile Solids			105.57	121.40	y	110.96	127.60	5.11%

WATER AND WASTE SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2019/20 Recalculated excl. VAT	2019/20 R incl. VAT	VAT Yes/No	2020/21 Recalculated excl. VAT	2020/21 R incl. VAT	% Increase / decrease
FCR	Total + Volatile Suspended Solids			105.57	121.40	y	110.96	127.60	5.11%
FCR	Turbidity			62.09	71.40	y	65.22	75.00	5.04%
FCR	UV 4cm at 300nm			62.09	71.40	y	65.22	75.00	5.04%
FCR	Vanadium			62.09	71.40	y	65.22	75.00	5.04%
FCR	Volatile Fatty Acids			105.57	121.40	y	110.96	127.60	5.11%
FCR	Zinc			62.09	71.40	y	65.22	75.00	5.04%
	A MINIMUM ADMINISTRATIVE HANDLING FEE OF R345.26 (VAT EXCLUSIVE) WILL BE CHARGED PER SAMPLE. IF THE ANALYSIS REQUESTED AMOUNTS TO MORE THAN R345.26 PER SAMPLE, THEN ONLY THE COST OF THE ANALYSIS WILL BE CHARGED								