

WATER & SANITATION SERVICES - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2021/22	2021/22	VAT	2022/23	2022/23	% Increase / decrease
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
	LAB TESTS: WATER (DRINKING)		All charges are per test.						
FCR	pH			44.78	51.50	y	46.87	53.90	4.66%
FCR	Conductivity			44.78	51.50	y	46.87	53.90	4.66%
FCR	Alkalinity			44.78	51.50	y	46.87	53.90	4.66%
FCR	Chloride			44.78	51.50	y	46.87	53.90	4.66%
FCR	Colour			44.78	51.50	y	46.87	53.90	4.66%
FCR	Calcium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Magnesium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Aluminium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Iron mg			67.22	77.30	y	70.35	80.90	4.66%
FCR	Antimony			67.22	77.30	y	70.35	80.90	4.66%
FCR	Arsenic (undigested)			67.22	77.30	y	70.35	80.90	4.66%
FCR	Cyanide (total dissolved)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Phenol (total dissolved or free)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Selenium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Total Organic Carbon (TOC)			193.65	222.70	y	202.52	232.90	4.58%
FCR	Cadmium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Chromium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Cobalt			67.22	77.30	y	70.35	80.90	4.66%
FCR	Lead			67.22	77.30	y	70.35	80.90	4.66%
FCR	Nickel			67.22	77.30	y	70.35	80.90	4.66%
FCR	Strontium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Total Hardness			67.22	77.30	y	70.35	80.90	4.66%
FCR	Calcium Hardness			67.22	77.30	y	70.35	80.90	4.66%
FCR	Magnesium Hardness			67.22	77.30	y	70.35	80.90	4.66%
FCR	Turbidity NTU			67.22	77.30	y	70.35	80.90	4.66%

WATER & SANITATION SERVICES - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2021/22	2021/22	VAT	2022/23	2022/23	% Increase / decrease
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Vanadium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Zinc			67.22	77.30	y	70.35	80.90	4.66%
FCR	Manganese			67.22	77.30	y	70.35	80.90	4.66%
FCR	Sodium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Potassium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Sulphate			67.22	77.30	y	70.35	80.90	4.66%
FCR	UV 4cm at 300nm			67.22	77.30	y	70.35	80.90	4.66%
FCR	Ammonia			67.22	77.30	y	70.35	80.90	4.66%
FCR	Residual Chlorine (DPD)			67.22	77.30	y	70.35	80.90	4.66%
FCR	Total Dissolved Solids			67.22	77.30	y	70.35	80.90	4.66%
FCR	Nitrite (NO2)			67.22	77.30	y	70.35	80.90	4.66%
FCR	Nitrate (NO3)			67.22	77.30	y	70.35	80.90	4.66%
FCR	Nitrate + Nitrite			67.22	77.30	y	70.35	80.90	4.66%
FCR	Fluoride			67.22	77.30	y	70.35	80.90	4.66%
FCR	Copper			67.22	77.30	y	70.35	80.90	4.66%
FCR	Silica			67.22	77.30	y	70.35	80.90	4.66%
FCR	Phosphate (Total)			67.22	77.30	y	70.35	80.90	4.66%
FCR	Geosmin and 2 Methylisoborneol			1 350.17	1 552.70	y	1 412.26	1 624.10	4.60%
FCR	Trihalomethanes			675.74	777.10	y	706.78	812.80	4.59%
	LAB TESTS WASTEWATER/SOLID WASTE/INDUSTRIAL EFFLUENT		All charges are per test.						
FCR	Total Suspended Solids			104.09	119.70	y	108.87	125.20	4.59%
FCR	Total + Volatile Suspended Solids			114.43	131.60	y	119.74	137.70	4.64%
FCR	Total + Volatile Solids			114.43	131.60	y	119.74	137.70	4.64%
FCR	Settleable Solids			58.09	66.80	y	60.78	69.90	4.64%

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				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Total Solids			104.09	119.70	y	108.87	125.20	4.59%
FCR	COD			173.91	200.00	y	181.91	209.20	4.60%
FCR	COD (filt)			173.91	200.00	y	181.91	209.20	4.60%
FCR	TKN			173.91	200.00	y	181.91	209.20	4.60%
FCR	Ammonia			104.09	119.70	y	108.87	125.20	4.59%
FCR	Nitrate			139.57	160.50	y	146.00	167.90	4.61%
FCR	Nitrite			139.57	160.50	y	146.00	167.90	4.61%
FCR	Nitrate + Nitrite			139.57	160.50	y	146.00	167.90	4.61%
FCR	Total Phosphorous			173.91	200.00	y	181.91	209.20	4.60%
FCR	Ortho-phosphate			114.43	131.60	y	119.74	137.70	4.64%
FCR	Chloride			104.09	119.70	y	108.87	125.20	4.59%
FCR	Sulphate			126.43	145.40	y	132.26	152.10	4.61%
FCR	pH			44.78	51.50	y	46.87	53.90	4.66%
FCR	pH (+sludges)			47.48	54.60	y	49.65	57.10	4.58%
FCR	Conductivity			47.48	54.60	y	49.65	57.10	4.58%
FCR	Alkalinity			104.09	119.70	y	108.87	125.20	4.59%
FCR	SVI			58.09	66.80	y	60.78	69.90	4.64%
FCR	DSVI			58.09	66.80	y	60.78	69.90	4.64%
FCR	Volatile Fatty Acids			114.43	131.60	y	119.74	137.70	4.64%
FCR	Tannin			114.43	131.60	y	119.74	137.70	4.64%
FCR	Hydrazine			114.43	131.60	y	119.74	137.70	4.64%
FCR	Hydrogen Sulphide			67.22	77.30	y	70.35	80.90	4.66%
FCR	Residual Chlorine			69.83	80.30	y	73.04	84.00	4.61%
FCR	Arsenic (digested)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Arsenic (undigested)			67.22	77.30	y	70.35	80.90	4.66%
FCR	BOD			301.57	346.80	y	315.48	362.80	4.61%

WATER & SANITATION SERVICES - SCIENTIFIC SERVICES (MISCELLANEOUS)									
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				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Boron			126.43	145.40	y	132.26	152.10	4.61%
FCR	Cyanide (total dissolved)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Fats & Oils (Gravimetric)			558.52	642.30	y	584.17	671.80	4.59%
FCR	Mercury			279.30	321.20	y	292.17	336.00	4.61%
FCR	Phenols (Total dissolved)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Metals (Individual)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Metals (Individual for Boreholes)			67.22	77.30	y	70.35	80.90	4.66%
FCR	Metals (Individual for TCLP)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Metals (Total - Raw Influent)			2 368.17	2 723.40	y	2 477.13	2 848.70	4.60%
FCR	Metals (Total - Final Effluent)			2 368.17	2 723.40	y	2 477.13	2 848.70	4.60%
FCR	Metals (Total - Sludges)			2 474.96	2 846.20	y	2 588.78	2 977.10	4.60%
FCR	Calcium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Potassium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Lithium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Magnesium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Molybdenum			173.91	200.00	y	181.91	209.20	4.60%
FCR	Selenium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Sodium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Flashpoint			173.91	200.00	y	181.91	209.20	4.60%
	LAB TESTS: TOXIN ANALYSIS		All charges are per test.						
FCR	Microcystin - Eliza Method			1 230.17	1 414.70	y	1 286.78	1 479.80	4.60%
FCR	Mircocystin - HPLC Method			1 350.17	1 552.70	y	1 412.26	1 624.10	4.60%
	HYDROBIOLOGICAL ANALYSIS								
	Individual Tests								

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				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Algal Enumeration & Identification			242.35	278.70	y	253.48	291.50	4.59%
FCR	Chlorophyll-a			224.00	257.60	y	234.26	269.40	4.58%
FCR	Phaeophytin			224.00	257.60	y	234.26	269.40	4.58%
	Price for combined tests			465.04	534.80	y	465.04	534.80	0.00%
	Algal Enumeration & Identification								
	Chlorophyll-a								
	Phaeophytin								
	LAB TESTS BACTERIOLOGICAL								
	INDIVIDUAL TESTS (treated water)		All charges are per test.						
FCR	Total heterotrophic Plate Count			101.48	116.70	y	106.17	122.10	4.63%
FCR	Total Coliform Count (membrane filtration method)			152.78	175.70	y	159.83	183.80	4.61%
FCR	Faecal Coliform Count (membrane filtration method)			152.78	175.70	y	159.83	183.80	4.61%
FCR	<i>E coli</i> + Faecal Coliform Count (membrane filtration method)			168.43	193.70	y	176.17	202.60	4.59%
FCR	Total Coliform + <i>E coli</i> (Colilert method)			270.00	310.50	y	282.43	324.80	4.61%
FCR	<i>Pseudomonas</i>			155.39	178.70	y	162.52	186.90	4.59%
	INDIVIDUAL TESTS (environmental water)		All charges are per test.						
FCR	<i>E coli</i> + Faecal Coliform Count (membrane filtration method)			184.35	212.00	y	192.87	221.80	4.62%
FCR	<i>E coli</i> Count (1dilution) (colilert method)			270.00	310.50	y	282.43	324.80	4.61%
FCR	For every additional dilution (colilert method)			101.48	116.70	y	106.17	122.10	4.63%

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				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Enterococcus Count (membrane filtration method)			171.13	196.80	y	179.04	205.90	4.62%
FCR	PARASITES		Combined charges	4 077.91	4 689.60	y	4 265.48	4 905.30	4.60%
	Cryptosporidium and Giardia								
	LAB TESTS: HYDRO-ENVIRONMENTAL CHEMISTRY		All charges are per test.						
FCR	Alkalinity			104.09	119.70	y	108.87	125.20	4.59%
FCR	Aluminium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Ammonia			104.09	119.70	y	108.87	125.20	4.59%
FCR	Arsenic (digested)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Arsenic (undigested)			67.22	77.30	y	70.35	80.90	4.66%
FCR	BOD			301.57	346.80	y	315.48	362.80	4.61%
FCR	Boron			126.43	145.40	y	132.26	152.10	4.61%
FCR	Cadmium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Calcium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Calcium Hardness			67.22	77.30	y	70.35	80.90	4.66%
FCR	Chloride			104.09	119.70	y	108.87	125.20	4.59%
FCR	Chromium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Cobalt			67.22	77.30	y	70.35	80.90	4.66%
FCR	COD			173.91	200.00	y	181.91	209.20	4.60%
FCR	COD (filtered)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Conductivity			47.48	54.60	y	49.65	57.10	4.58%
FCR	Copper			67.22	77.30	y	70.35	80.90	4.66%
FCR	Cyanide (total dissolved)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Dissolved Oxygen (probe)			44.78	51.50	y	46.87	53.90	4.66%

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				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Flouride			67.22	77.30	y	70.35	80.90	4.66%
FCR	Geosmin & 2-Methylisoborneol			1 350.17	1 552.70	y	1 412.26	1 624.10	4.60%
FCR	Iron			67.22	77.30	y	70.35	80.90	4.66%
FCR	Lead			67.22	77.30	y	70.35	80.90	4.66%
FCR	Lithium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Magnesium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Magnesium Hardness			67.22	77.30	y	70.35	80.90	4.66%
FCR	Manganese			67.22	77.30	y	70.35	80.90	4.66%
FCR	Mercury			279.30	321.20	y	292.17	336.00	4.61%
FCR	Molybdenum			173.91	200.00	y	181.91	209.20	4.60%
FCR	Metals (Individual)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Metals (Individual for Boreholes)			67.22	77.30	y	70.35	80.90	4.66%
FCR	Metals (Total - Sludges)		Combined Charge	2 474.96	2 846.20	y	2 588.78	2 977.10	4.60%
FCR	Nickel			67.22	77.30	y	70.35	80.90	4.66%
FCR	Nitrate			139.57	160.50	y	146.00	167.90	4.61%
FCR	Nitrite			139.57	160.50	y	146.00	167.90	4.61%
FCR	Nitrate + Nitrite			139.57	160.50	y	146.00	167.90	4.61%
FCR	Ortho-phosphate			114.43	131.60	y	119.74	137.70	4.64%
FCR	pH			44.78	51.50	y	46.87	53.90	4.66%
FCR	pH (Sludges)			47.48	54.60	y	49.65	57.10	4.58%
FCR	Phenols (total dissolved)			173.91	200.00	y	181.91	209.20	4.60%
FCR	Potassium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Residual Chlorine (DPD)			67.22	77.30	y	70.35	80.90	4.66%
FCR	Selenium			173.91	200.00	y	181.91	209.20	4.60%
FCR	Silica			67.22	77.30	y	70.35	80.90	4.66%
FCR	Sodium			173.91	200.00	y	181.91	209.20	4.60%

WATER & SANITATION SERVICES - SCIENTIFIC SERVICES (MISCELLANEOUS)									
CAT.	SERVICES RENDERED	UNIT	REMARKS	2021/22	2021/22	VAT	2022/23	2022/23	% Increase / decrease
				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
FCR	Strontium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Sulphate			126.43	145.40	y	132.26	152.10	4.61%
FCR	Total Dissolved Solids			67.22	77.30	y	70.35	80.90	4.66%
FCR	Total Hardness			67.22	77.30	y	70.35	80.90	4.66%
FCR	TPON			173.91	200.00	y	181.91	209.20	4.60%
FCR	Total Phosphorous			173.91	200.00	y	181.91	209.20	4.60%
FCR	Total Solids			104.09	119.70	y	108.87	125.20	4.59%
FCR	Total Suspended Solids			104.09	119.70	y	108.87	125.20	4.59%
FCR	Total + Volatile Solids			114.43	131.60	y	119.74	137.70	4.64%
FCR	Total + Volatile Suspended Solids			114.43	131.60	y	119.74	137.70	4.64%
FCR	Turbidity			67.22	77.30	y	70.35	80.90	4.66%
FCR	UV 4cm at 300nm			67.22	77.30	y	70.35	80.90	4.66%
FCR	Vanadium			67.22	77.30	y	70.35	80.90	4.66%
FCR	Volatile Fatty Acids			114.43	131.60	y	119.74	137.70	4.64%
FCR	Zinc			67.22	77.30	y	70.35	80.90	4.66%
FCR	Nitrate/Nitrite			N/A	N/A	y	70.35	80.90	N/A
FCR	Total Coliform Count/100ml (Membrane Filtration Method)			N/A	N/A	y	159.83	183.80	N/A
FCR	Oil (Total)			N/A	N/A	y	584.17	671.80	N/A
FCR	Sulphides			N/A	N/A	y	181.91	209.20	N/A
FCR	Total Nitrogen			N/A	N/A	y	181.91	209.20	N/A
FCR	Sodium Absorption Ratio			N/A	N/A	y	70.35	80.90	N/A
FCR	UV at 254nm			N/A	N/A	y	70.35	80.90	N/A

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				Recalculated	R	Yes/No	Recalculated	R	
				excl. VAT	incl. VAT		excl. VAT	incl. VAT	
	A MINIMUM ADMINISTRATIVE HANDLING FEE OF R355.96 (VAT EXCLUSIVE) WILL BE CHARGED PER SAMPLE. IF THE ANALYSIS REQUESTED AMOUNTS TO MORE THAN R355.96 PER SAMPLE, THEN ONLY THE COST OF THE ANALYSIS WILL BE CHARGED								