

UTILITY SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)							
SERVICES RENDERED	UNIT	REMARKS	2014/15	2014/15	VAT	2015/16	2015/16
			Recalculated	R	Yes/No	Recalculated	R
			excl. VAT	incl. VAT		excl. VAT	incl. VAT
LAB TESTS: WATER (DRINKING)		All charges are per test.					
pH			31.58	36.00	y	33.42	38.10
Conductivity			31.58	36.00	y	33.42	38.10
Alkalinity			31.58	36.00	y	33.42	38.10
Chloride			31.58	36.00	y	33.42	38.10
Colour			31.58	36.00	y	33.42	38.10
Calcium			47.37	54.00	y	50.09	57.10
Magnesium			47.37	54.00	y	50.09	57.10
Aluminium			47.37	54.00	y	50.09	57.10
Iron mg			47.37	54.00	y	50.09	57.10
Antimony			47.37	54.00	y	50.09	57.10
Arsenic (undigested)			47.37	54.00	y	50.09	57.10
Cyanide (total dissolved)			122.54	139.70	y	129.56	147.70
Phenol (total dissolved or free)			122.54	139.70	y	129.56	147.70
Selenium			47.37	54.00	y	50.09	57.10
Total Organic Carbon (TOC)			136.40	155.50	y	144.21	164.40
Cadmium			47.37	54.00	y	50.09	57.10
Chromium			47.37	54.00	y	50.09	57.10
Cobalt			47.37	54.00	y	50.09	57.10
Lead			47.37	54.00	y	50.09	57.10
Nickel			47.37	54.00	y	50.09	57.10
Strontium			47.37	54.00	y	50.09	57.10
Total Hardness			47.37	54.00	y	50.09	57.10
Calcium Hardness			47.37	54.00	y	50.09	57.10
Magnesium Hardness			47.37	54.00	y	50.09	57.10
Turbidity NTU			47.37	54.00	y	50.09	57.10
Vanadium			47.37	54.00	y	50.09	57.10
Zinc			47.37	54.00	y	50.09	57.10
Manganese			47.37	54.00	y	50.09	57.10
Sodium			47.37	54.00	y	50.09	57.10
Potassium			47.37	54.00	y	50.09	57.10
Sulphate			47.37	54.00	y	50.09	57.10
UV 4cm at 300nm			47.37	54.00	y	50.09	57.10
Ammonia			47.37	54.00	y	50.09	57.10
Residual Chlorine (DPD)			47.37	54.00	y	50.09	57.10
Total Dissolved Solids			47.37	54.00	y	50.09	57.10
Nitrite (NO2)			47.37	54.00	y	50.09	57.10
Nitrate (NO3)			47.37	54.00	y	50.09	57.10

UTILITY SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)							
SERVICES RENDERED	UNIT	REMARKS	2014/15 Recalculated	2014/15 R	VAT Yes/No	2015/16 Recalculated	2015/16 R
Nitrate + Nitrite			47.37	54.00	y	50.09	57.10
Fluoride			47.37	54.00	y	50.09	57.10
Copper			47.37	54.00	y	50.09	57.10
Silica			47.37	54.00	y	50.09	57.10
Phosphate (Total)			47.37	54.00	y	50.09	57.10
Geosmin and 2 Methylisoborneol			951.32	1 084.50	y	1 005.53	1 146.30
Trihalomethanes			476.14	542.80	y	503.25	573.70
LAB TESTS WASTEWATER/SOLID WASTE/INDUSTRIAL EFFLUENT		All charges are per test.					
Total Suspended Solids			73.33	83.60	y	77.54	88.40
Total + Volatile Suspended Solids			80.70	92.00	y	85.26	97.20
Total + Volatile Solids			80.70	92.00	y	85.26	97.20
Settleable Solids			40.88	46.60	y	43.25	49.30
Total Solids			73.33	83.60	y	77.54	88.40
COD			122.54	139.70	y	129.56	147.70
COD (filt)			122.54	139.70	y	129.56	147.70
TKN			122.54	139.70	y	129.56	147.70
Ammonia			73.33	83.60	y	77.54	88.40
Nitrate			98.33	112.10	y	103.95	118.50
Nitrite			98.33	112.10	y	103.95	118.50
Nitrate + Nitrite			98.33	112.10	y	103.95	118.50
Total Phosphorous			122.54	139.70	y	129.56	147.70
Ortho-phosphate			80.70	92.00	y	85.26	97.20
Chloride			73.33	83.60	y	77.54	88.40
Sulphate			89.12	101.60	y	94.21	107.40
pH			31.58	36.00	y	33.42	38.10
pH (+sludges)			33.42	38.10	y	35.35	40.30
Conductivity			33.42	38.10	y	35.35	40.30
Alkalinity			73.33	83.60	y	77.54	88.40
SVI			40.88	46.60	y	43.25	49.30
DSVI			40.88	46.60	y	43.25	49.30
Volatile Fatty Acids			80.70	92.00	y	85.26	97.20
Tannin			80.70	92.00	y	85.26	97.20
Hydrazine			80.70	92.00	y	85.26	97.20
Hydrogen Sulphide			47.37	54.00	y	50.09	57.10
Residual Chlorine			49.21	56.10	y	52.02	59.30
Arsenic (digested)			122.54	139.70	y	129.56	147.70
Arsenic (undigested)			47.37	54.00	y	50.09	57.10
BOD			212.54	242.30	y	224.65	256.10

UTILITY SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)							
SERVICES RENDERED	UNIT	REMARKS	2014/15 Recalculated	2014/15 R	VAT Yes/No	2015/16 Recalculated	2015/16 R
Boron			89.12	101.60	y	94.21	107.40
Cyanide (total dissolved)			122.54	139.70	y	129.56	147.70
Fats & Oils (Gravimetric)			393.51	448.60	y	415.96	474.20
Mercury			196.75	224.30	y	207.98	237.10
Phenols (Total dissolved)			122.54	139.70	y	129.56	147.70
Metals (Individual)			122.54	139.70	y	129.56	147.70
Metals (Individual for Boreholes)			47.37	54.00	y	50.09	57.10
Metals (Individual for TCLP)			122.54	139.70	y	129.56	147.70
Metals (Total - Raw Influent)			1 668.68	1 902.30	y	1 763.77	2 010.70
Metals (Total - Final Effluent)			1 668.68	1 902.30	y	1 763.77	2 010.70
Metals (Total - Sludges)			1 743.86	1 988.00	y	1 843.25	2 101.30
Calcium			122.54	139.70	y	129.56	147.70
Potassium			122.54	139.70	y	129.56	147.70
Lithium			122.54	139.70	y	129.56	147.70
Magnesium			122.54	139.70	y	129.56	147.70
Molybdenum			122.54	139.70	y	129.56	147.70
Selenium			122.54	139.70	y	129.56	147.70
Sodium			122.54	139.70	y	129.56	147.70
Flashpoint			122.54	139.70	y	129.56	147.70
LAB TESTS: TOXIN ANALYSIS		All charges are per test.					
Microcystin - Eliza Method			866.84	988.20	y	916.23	1 044.50
Mircocystin - HPLC Method			951.32	1 084.50	y	1 005.53	1 146.30
HYDROBIOLOGICAL ANALYSIS							
Individual Tests							
Algal Enumeration & Identification			170.79	194.70	y	180.53	205.80
Chlorophyll-a			157.81	179.90	y	166.84	190.20
Phaeophytin			157.81	179.90	y	166.84	190.20
Price for combined tests			327.63	373.50	y	346.32	394.80
Algal Enumeration & Identification							
Chlorophyll-a							
Phaeophytin							
LAB TESTS BACTERIOLOGICAL							
INDIVIDUAL TESTS (treated water)		All charges are per test.					
Total heterotrophic Plate Count			71.49	81.50	y	75.53	86.10
Total Coliform Count (membrane filtration method)			107.63	122.70	y	113.77	129.70
Faecal Coliform Count (membrane filtration method)			107.63	122.70	y	113.77	129.70

UTILITY SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)							
SERVICES RENDERED	UNIT	REMARKS	2014/15 Recalculated	2014/15 R	VAT Yes/No	2015/16 Recalculated	2015/16 R
<i>E coli</i> + Faecal Coliform Count (membrane filtration			118.77	135.40	y	125.53	143.10
Total Coliform + <i>E coli</i> (Colilert method)			190.26	216.90	y	201.14	229.30
<i>Pseudomonas</i>			109.47	124.80	y	115.70	131.90
INDIVIDUAL TESTS (environmental water)		All charges are per test.					
<i>E coli</i> + Faecal Coliform Count (membrane filtration			129.91	148.10	y	137.28	156.50
<i>E coli</i> Count (1dilution) (colilert method)			190.26	216.90	y	201.14	229.30
For every additional dilution (colilert method)			71.49	81.50	y	75.53	86.10
Enterococcus Count (membrane filtration method)			120.61	137.50	y	127.46	145.30
PARASITES		Combined charges	2 873.33	3 275.60	y	3 037.11	3 462.30
Cryptosporidium and Giardia							
LAB TESTS: HYDRO-ENVIRONMENTAL CHEMISTRY		All charges are per test.					
Alkalinity			73.33	83.60	y	77.54	88.40
Aluminium			47.37	54.00	y	50.09	57.10
Ammonia			73.33	83.60	y	77.54	88.40
Arsenic (digested)			122.54	139.70	y	129.56	147.70
Arsenic (undigested)			47.37	54.00	y	50.09	57.10
BOD			212.54	242.30	y	224.65	256.10
Boron			89.12	101.60	y	94.21	107.40
Cadmium			47.37	54.00	y	50.09	57.10
Calcium			122.54	139.70	y	129.56	147.70
Calcium Hardness			47.37	54.00	y	50.09	57.10
Chloride			73.33	83.60	y	77.54	88.40
Chromium			47.37	54.00	y	50.09	57.10
Cobalt			47.37	54.00	y	50.09	57.10
COD			122.54	139.70	y	129.56	147.70
COD (filtered)			122.54	139.70	y	129.56	147.70
Conductivity			33.42	38.10	y	35.35	40.30
Copper			47.37	54.00	y	50.09	57.10
Cyanide (total dissolved)			122.54	139.70	y	129.56	147.70
Dissolved Oxygen (probe)			31.58	36.00	y	33.42	38.10
Flouride			47.37	54.00	y	50.09	57.10
Geosmin & 2-Methylisoborneol			951.32	1 084.50	y	1 005.53	1 146.30
Iron			47.37	54.00	y	50.09	57.10
Lead			47.37	54.00	y	50.09	57.10
Lithium			122.54	139.70	y	129.56	147.70
Magnesium			122.54	139.70	y	129.56	147.70

UTILITY SERVICES - WATER & SANITATION - SCIENTIFIC SERVICES (MISCELLANEOUS)							
SERVICES RENDERED	UNIT	REMARKS	2014/15 Recalculated	2014/15 R	VAT Yes/No	2015/16 Recalculated	2015/16 R
Magnesium Hardness			47.37	54.00	y	50.09	57.10
Manganese			47.37	54.00	y	50.09	57.10
Mercury			196.75	224.30	y	207.98	237.10
Molybdenum			122.54	139.70	y	129.56	147.70
Metals (Individual)			122.54	139.70	y	129.56	147.70
Metals (Individual for Boreholes)			47.37	54.00	y	50.09	57.10
Metals (Total - Sludges)		Combined Charge	1 743.86	1 988.00	y	1 843.25	2 101.30
Nickel			47.37	54.00	y	50.09	57.10
Nitrate			98.33	112.10	y	103.95	118.50
Nitrite			98.33	112.10	y	103.95	118.50
Nitrate + Nitrite			98.33	112.10	y	103.95	118.50
Ortho-phosphate			80.70	92.00	y	85.26	97.20
pH			31.58	36.00	y	33.42	38.10
pH (Sludges)			33.42	38.10	y	35.35	40.30
Phenols (total dissolved)			122.54	139.70	y	129.56	147.70
Potassium			122.54	139.70	y	129.56	147.70
Residual Chlorine (DPD)			47.37	54.00	y	50.09	57.10
Selenium			122.54	139.70	y	129.56	147.70
Silica			47.37	54.00	y	50.09	57.10
Sodium			122.54	139.70	y	129.56	147.70
Strontium			47.37	54.00	y	50.09	57.10
Sulphate			89.12	101.60	y	94.21	107.40
Total Dissolved Solids			47.37	54.00	y	50.09	57.10
Total Hardness			47.37	54.00	y	50.09	57.10
TPON			122.54	139.70	y	129.56	147.70
Total Phosphorous			122.54	139.70	y	129.56	147.70
Total Solids			73.33	83.60	y	77.54	88.40
Total Suspended Solids			73.33	83.60	y	77.54	88.40
Total + Volatile Solids			80.70	92.00	y	85.26	97.20
Total + Volatile Suspended Solids			80.70	92.00	y	85.26	97.20
Turbidity			47.37	54.00	y	50.09	57.10
UV 4cm at 300nm			47.37	54.00	y	50.09	57.10
Vanadium			47.37	54.00	y	50.09	57.10
Volatile Fatty Acids			80.70	92.00	y	85.26	97.20
Zinc			47.37	54.00	y	50.09	57.10
A MINIMUM ADMINISTRATIVE HANDLING FEE OF R265 (VAT EXCLUSIVE) WILL BE CHARGED PER SAMPLE. IF THE ANALYSIS REQUESTED AMOUNTS TO MORE THAN R265 PER SAMPLE, THEN ONLY THE COST OF THE ANALYSIS WILL BE CHARGED							