



## GEORGE MUNICIPALITY LABORATORY SERVICES

The George Municipality water laboratory provides the following analysis for a nominal fee in determining Water Quality on Drinking Water, Wastewater, Borehole Water, Industrial Effluents, Rivers & Dams:

PHYSICAL	
	METHOD
Colour	NOVA 60
Conductivity	Electrode
pH	Electrode
Total Dissolved Solids	Electrode
Turbidity	Turbidiquant
Settleable Solids	Standard Method
Suspended Solids	Standard Method
CHEMICAL	
	METHOD
Alkalinity (Titration)	Standard Method
Aluminium (0.02-1.2)	PHARO 300
Ammonia (MR/HR) (2.0 - 150)	PHARO 300
Boron (0.05 - 2.00)	PHARO 300
Cadmium (0.025 - 1.0)	PHARO 300
Calcium as Ca	
Calcium hardness (Titration)	Standard Method
Chloride (Titration)	Standard Method
Chlorine Free (0.03 - 6.0)	PHARO 300
Chlorine Total (0.01 - 6.0)	PHARO 300
Chromate (0.05 - 2.00)	PHARO 300
COD	HACH DR5000
Copper (0.02 - 6)	PHARO 300
Cyanide (total)	PHARO 300
Fluoride (0.1 - 20)	PHARO 300
Iron (0.005 - 5)	PHARO 300
Lead (0.01 - 5)	PHARO 300
Manganese (0.01 - 10)	PHARO 300
Magnesium hardness (as CaCO <sub>3</sub> )	
Magnesium as Mg	
Nickel (0.1 - 6)	PHARO 300
Nitrate (0.2 - 20)	PHARO 300
Nitrite (0.002 - 1.0)	PHARO 300
Oils & Grease	SABS - Standard Method
Ortho-Phosphate	PHARO 300
Phenol	PHARO 300
Phosphate (Total)	PHARO 300
Potassium (5.0 - 50)	PHARO 300
Silver (0.25 - 3.0)	PHARO 300
Sulfate (5 - 250)	PHARO 300
Sulfide ((0.02-1.5)	PHARO 300
Total Hardness (Titration)	Standard Method
Total Organic Carbon	PHARO 300
Total Trihalomethanes	HACH DR5000
Zinc (0.05 - 2.5)	PHARO 300
MICROBIOLOGICAL	
	METHOD
E coli (count per 100mL)	COLILERT
Total Coliforms (count per 100mL)	COLILERT
Deionised Water (per liter)	Purite System