

**PRICE LIST
March 2010**

ENVIRONMENT CANTERBURY LABORATORY
58 Kilmore Street
P O Box 345
CHRISTCHURCH

Phone: 03 353 9720

SERVICES PROVIDED	Detection Limits	Units	Price excl. GST \$
Microbiology			
Faecal Coliforms	1	cfu/100mL	25.00
Escherichia coli - (<i>E.coli</i>)	1	MPN/100ml	28.00
Total Coliforms (TC) & <i>E.coli</i>	1	MPN/100mL	28.00
Total Coliforms & <i>E.coli</i> (Present/Absent - P/A)	-	P/A/100mL	20.00
Enterococcus	1	cfu/100mL	25.00
Heterotrophic Plate Count @35°C (HPC)	1	cfu/mL	21.00
Swimming Pool Tests - (4 analyses):			
Faecal Coliforms	1	cfu/100mL	70.00
Heterotrophic Plate Count @35°C (HPC)	1	cfu/mL	
Staphylococcus aureus	1	cfu/100mL	
Pseudomonas aeruginosa	1	cfu/100mL	
Others			
Chemical Oxygen Demand	9	mg/L	20.00
Chlorophyll A (plankton)	0.2	ug/L	32.00
Chlorophyll A (stone)	0.5	ug/cm ²	32.00
Chlorophyll A (Ethanol)	0.05	ug/cm ²	22.50
Ash free Dry Wt / Loss on Ignition	-	%	42.00
Dissolved Oxygen (DO) by Meter/Winkler	0.5	mg/L	20.00
Biological Oxygen Demand (BOD ₅) or (BOD _{5ATU})	2	mg/L	37.00
Biological Oxygen Demand (Soluble)	2	mg/L	40.00
Colour (* NI)	0.5	TCU	10.00
%Transmission 254nm	-	%	10.00
Total Organic Carbon (TOC)	0.2	mg/L	28.00
Dissolved Organic Carbon (DOC)	0.2	mg/L	28.00
ShortChem			
pH	-	-	9.00
Conductivity	0.5	mS/m	7.50
Salinity (* NI)	-	-	7.50
Turbidity	0.1	NTU	9.00
Total Suspended Solids (TSS)	0.5	mg/L	17.00
Volatile Suspended Solids (VSS)	0.5	mg/L	21.00
Fixed Suspended Solids (FSS) (Calculation from TSS & VSS)	0.5	mg/L	\$21.00 (Incl. analyses)
Total Dissolved Solids (TDS)	0.5	mg/L	18.00
Total Solids (TS) (* NI)	-	mg/L	18.00
Acidity to pH 8.3	2	mg CaCO ₃ /L	13.00
Alkalinity as (HCO ₃) or as (CaCO ₃)	4	mg/L	11.00
Free CO ₂ - Calc only (From: Alkalinity & pH)	1	mg/L	\$26.00 (Incl. analyses)
Langelier Saturation Index - Calc. only (From: pH, Alkalinity, Conductivity & Calcium)	-	-	\$43.50 (Incl. analyses)
Absorbance 270 & 400nm	0.005	AU	10.00
Chlorine (residual or free, total combined). Immediate analysis required. (* NI)	0.1	mg/L	P.O.A

SERVICES PROVIDED	Detection Limits	Units	Price excl. GST \$
Nutrients			
Ammonia Nitrogen (NH ₃ N)	0.005	mg/L	12.00
Nitrate + Nitrite Nitrogen (NNN)	0.005	mg/L	12.00
Nitrite Nitrogen (NO ₂ N)	0.005	mg/L	12.00
Nitrate Nitrogen (NO ₃ N) - Dirty samples	0.08	mg/L	25.00
Total Kjeldahl Nitrogen (TKN)	0.08	mg/L	25.00
Total Nitrogen (TN)	0.08	mg/L	25.00
Total Nitrogen (TN) Effluent Samples (Calculation from TKN + NNN)	0.08	mg/L	37.00
Dissolved Inorganic Nitrogen (DIN) (calculation from NH ₃ & NNN)	0.005	mg/L	24.00
Total Organic Nitrogen (calculation: TKN-NH ₃ or TN-DIN)	0.08	mg/L	37.00
Dissolved Reactive Phosphorus (DRP)	0.001	mg/L	12.00
Total Phosphorus (TP)	0.008	mg/L	25.00

Anions

Fluoride (F)	0.2	mg/L	10.00
Chloride (Cl)	0.1	mg/L	10.00
Bromide (Br)	0.05	mg/L	10.00
Nitrate Nitrogen (NO ₃ N)	0.1	mg/L	10.00
Ortho- Phosphate - (PO ₄)	0.05	mg/L	10.00
Sulphate - (SO ₄)	0.1	mg/L	10.00
Reactive Silica (RSi)	0.01	mg/L	12.00

Metals

Calcium	0.1	mg/L	10.00
Calcium hardness	0.1	mg/L	10.00
Chromium	0.03	mg/L	10.00
Chromium (VI) (* NI - Inhouse Hach Test Kit)	0.03	mg/L	38.00
Chromium (III) (* NI - Inhouse Hach Test Kit)	0.03	mg/L	38.00
Copper	0.02	mg/L	10.00
Iron	0.03	mg/L	10.00
Magnesium	0.1	mg/L	10.00
Magnesium hardness	0.1	mg/L	10.00
Manganese	0.01	mg/L	10.00
Potassium	0.1	mg/L	10.00
Sodium	0.5	mg/L	10.00
Zinc	0.02	mg/L	10.00
Total Hardness (Ca + Mg Hardness)	1.0	mg CaCO ₃ /L	\$20.00 (Incl. analyses)
Ion Balance		% diff.	\$101.00 (Incl. analyses)
Digestion (if required) per sample			15.00
Arsenic Trace	0.002	mg/L	25.00

Any of the above metals can be done as Digested or Dissolved.

Notes: * NI = test not IANZ Accredited.

P.O.A. = Price on Application