



บริการตรวจวิเคราะห์คุณภาพน้ำผิวดิน

(Service inspection of surface water quality)

Suggestions for surface water sample containers



Parameters	Container and Volume sample	Treatment Conditions
pH, Color, DO, BOD, TS	Plastic PP/ PE 2,000 ml	Refrigerate at 4 °C
Total Coliform Bacteria (TCB) Fecal Coliform Bacteria (FCB)	Bacteria bottle 100 ml	Refrigerate at 4 °C
Heavy Metals (Cu, Ni, Mn, Zn, Cd, Cr, Pb)	Plastic PP/ PE 500 ml	HNO ₃ 3-4 ml (pH<2) Refrigerate at 4 °C

Parameter analysis of surface water

No	Parameters	Methods
1	pH	pH meter
2	Color	Visual Comparison Method
3	Dissolved Oxygen (DO)	Azide Modification
4	Biochemical Oxygen Demand (BOD)	Azide Modification (at 20 °C for 5 days)
5	Total Solids (TS)	Dried at 103 – 105 °C
6	Total Coliform Bacteria (TCB)	MPN Technique
7	Fecal Coliform Bacteria (FCB)	MPN Technique
8	Heavy Metals (Cu, Ni, Mn, Zn, Cd, Cr, Pb)	AAS (Flame)

