Minnesota Pollution Control Agency (MPCA)
Laboratory Certification Program Manual
Attachment 2

Certification Parameters

The following parameters are available for certification.

Oxygen Utilization	
	Biological Oxygen Demand (BOD5)
	Carbonaceous biochemical oxygen demand (CBOD5)
Nitrogen	
	Ammonia (as N)
	Kjeldahl Nitrogen-Total, (as N)
	Nitrate (as N)
	Nitrate-nitrite (as N)
	Nitrite (as N)
Phosphorous	
	Total Phosphorous
	Orthophosphate as P
Physical	
	Residue-Total (total solids)
	Residue-filterable (dissolved solids)
	Residue-Volatile (volatile solids)
	Residue-non-filterable (Total Suspended Solids)
	Oil and grease
	Turbidity
	Total, Fixed and Volatile solids in Solid and Semisolid samples
General I	
	Acidity, as $CaCO_3$
	Alkalinity, as CaCO3
	Color
	Hardness-Total, as CaCO3
	Silica-Dissolved
	Sulfite (as SO_3)
	Surfactants

General II	
	Chemical Oxygen Demand
	Total Phenolic Compounds
	Cyanide-total
	Sulfide
	Sulfate
	Chloride
General III	
	Total Organic Carbon
Metals	
	Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Total Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, and Zinc
	Hexavalent Chromium
	Mercury
Microbiology	
	E. Coli
	Fecal coliform
	Coliform (total), number per 100 mL
Organics; Purgeable by Gas Chromatography or Gas Chromatography/Mass Spectrometry	
	Volatile Organic Compounds
	Acrolein, Acylonitrile
Organics; Semivolatile by Gas Chromatography/Mass Spectrometry	
	Phenolic Compounds (acid-extractables) and Base/Neutral Extractable Compounds (excluding pesticides)
Organics; Organochlorine Compounds	
	Polychlorinated Biphenyls
	Organochlorine Pesticides