

**ENVIRONMENTAL LABORATORY APPROVAL PROGRAM  
CERTIFICATION MANUAL**

<b><u>SUBJECT</u></b>	<b><u>DATE</u></b>	<b><u>PAGE</u></b>	<b><u>ITEM NO.</u></b>
Proficiency Testing – Drinking Water Samples	04/17/09	1 of 2	311

<b>Sample name</b>	<b>Analytes present</b>
ALKALINITY	alkalinity (as CaCO <sub>3</sub> )
ASBESTOS	asbestos fibers
pH	pH
SPECIFIC CONDUCTANCE	potassium chloride
FREE RESIDUAL CHLORINE	free residual chlorine
CALCIUM HARDNESS	calcium hardness (as CaCO <sub>3</sub> )
TURBIDITY	turbidity
METALS	Ag; Al; As; B; Ba; Be; Cd; Cr; Cu; Fe; Hg; Mn; Mo; Ni; Pb; Sb; Se; Tl; <b>U (mass)</b> , V; Zn
CYANIDE	cyanide
MINERALS	chloride; fluoride; nitrate (as N); sulfate; orthophosphate (as P)
MINERALS II	Ca, K, Mg, Na
TOTAL DISSOLVED SOLIDS	total dissolved solids
TOTAL ORGANIC CARBON	total organic carbon and <b>dissolved organic carbon</b>
NITRITE	nitrite
DISSOLVED SILICA	SiO <sub>2</sub>
INORGANIC DISINFECTION BYPRODUCTS #1	bromate, bromide, chlorate
INORGANIC DISINFECTION BYPRODUCTS #2	chlorite
ORGANIC DISINFECTION BYPRODUCTS	bromochloroacetic acid; dibromoacetic acid; dichloroacetic acid; monobromoacetic acid; monochloroacetic acid; trichloroacetic acid
MIXED PESTICIDES - I	aldrin; dieldrin; endrin; heptachlor; heptachlor epoxide; hexachlorobenzene; hexachlorocyclopentadiene; gamma-BHC (lindane); methoxychlor; propachlor; trifluralin
MIXED PESTICIDES - II	alachlor; atrazine; butachlor; metolachlor; metribuzin; simazine
CHLORDANE	chlordane (technical)
TOXAPHENE	toxaphene
DIQUAT	diquat
ENDOTHALL	endothall
GLYPHOSATE	glyphosate
METHYLCARBAMATE PESTICIDES	aldicarb; aldicarb sulfone; aldicarb sulfoxide; carbaryl; carbofuran; 3-hydroxycarbofuran; methomyl; oxamyl
MIXED HERBICIDES	acifluorfen, 2,4-D; 2,4,5-TP (Silvex); dalapon; dicamba; dinoseb; pentachlorophenol; picloram

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PCBs in WATER	PCBs as decachlorobiphenyl, PCB aroclor identification
MIXED ESTERS	di (2-ethylhexyl) adipate; bis (2-ethylhexyl) phthalate
BENZO(a)PYRENE	benzo(a)pyrene
TRIHALOMETHANES	bromodichloromethane; bromoform; dibromochloromethane; chloroform
MICROEXTRACTABLES	1,2-dibromoethane (EDB); 1,2-dibromo-3-chloropropane (DBCP)
VOLATILE HALOCARBONS	At least 60% of analytes from the following list: bromochloromethane; bromomethane; carbon tetrachloride; chloroethane; chloromethane; dibromomethane; dichlorodifluoromethane; 1,1-dichloroethane; 1,2-dichloroethane; 1,1-dichloroethene; cis-1,2-dichloroethene; trans-1,2-dichloroethene; 1,2-dichloropropane; 1,3-dichloropropane; 2,2-dichloropropane; 1,1-dichloropropene; cis-1,3-dichloropropene; trans-1,3-dichloropropene; methylene chloride; methyl tert-butyl ether (MTBE); 1,1,1,2-tetrachloroethane; 1,1,2,2-tetrachloroethane; tetrachloroethene; 1,1,1-trichloroethane; 1,1,2-trichloroethane; trichloroethene; trichlorofluoromethane; 1,2,3-trichloropropane; vinyl chloride
VOLATILE AROMATICS	At least 60% of analytes from the following list: benzene; bromobenzene; n-butylbenzene; sec-butylbenzene; tert-butylbenzene; chlorobenzene; 2-chlorotoluene; 4-chlorotoluene; 1,2-dichlorobenzene; 1,3-dichlorobenzene; 1,4-dichlorobenzene; ethylbenzene; hexachlorobutadiene; isopropylbenzene; p-isopropyltoluene (p-cymene); n-propylbenzene; styrene; toluene; 1,2,3-trichlorobenzene; 1,2,4-trichlorobenzene; 1,2,4-trimethylbenzene; 1,3,5-trimethylbenzene; total xylenes
GROSS ALPHA & BETA	gross alpha & beta
GAMMA EMITTERS	gamma emitters (barium-133, cesium-134, cesium-137, cobalt-60, zinc-65)
IODINE	iodine-131
RADIUM/URANIUM	radium 226 & 228, uranium activity
STRONTIUM	strontium 89 & 90
TRITIUM	tritium (with a blank)