

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Water Supply Program

LIST OF APPROVED TESTS FOR WATER QUALITY LABORATORIES CERTIFIED IN MARYLAND FOR MICROBIOLOGICAL AND/OR CHEMICAL EXAMINATION OF DRINKING WATER

Microbiology

Group 1

Total Coliform Fermentation (TCF)
E. coli Fermentation (ECF)

Group 2

Total Coliform Membrane Filter (TCMF)

Group 3

Heterotrophic Plate Count (HPC)

Group 4

Enzyme Substrate Determinations

Group 5

E.coli Enumeration

Trace Metals

(As groups or individually)

Group 1 --- Lead

Copper

Group 2---- Antimony

Arsenic
Barium
Beryllium
Cadmium
Chromium
Mercury
Selenium
Thallium

Inorganics

Group 1 --- Nitrate-N

Group 2 --- Nitrite-N

Group 3 --- Fluoride

Group 4 --- Asbestos

Group 5 --- Cyanide

Group 6 – Chlorite

Organics. Pesticides

Group 1

Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor epoxide
Hexachlorobenzene
Hexachlorocyclopentadiene

Group 2

Alachlor
Atrazine
Simazine

Group 3

Aldicarb
Aldicarb sulfone
Aldicarb sulfoxide
Carbofuran
Oxamyl (Vydate)

Group 4

PCBs (as Araclors) *
PCBs **
(as Decachlorobiphenyls)

Group 5

Diquat

Group 6

Endothall

Group 7

Glyphosate

Organics, Herbicides

2,4-D
2,4,5-TP (Silvex)
Pentachlorophenol
Dinoseb
Dalapon
Picloram

Note-Laboratories must use:

**EPA 505, 508, or 525.2;*

***EPA 508A only.*

Organics. Trihalomethanes

Chloroform
Bromodichloromethane
Chlorodibromomethane
Bromoform
Total Trihalomethanes

Organic Chemicals(VOC)

Group 1

Benzene
Carbon tetrachloride
1,2-Dichloroethane
Trichloroethylene
1,1-Dichloroethylene
1,1,1-Trichloroethane
1,4-Dichlorobenzene
Vinyl Chloride
1,2-Dichlorobenzene
cis-1,2-Dichloroethene
trans-1,2-Dichloroethene
1,2-Dichloropropane
Ethylbenzene
Styrene
Tetrachloroethylene
Toluene
(total) Xylenes
Chlorobenzene
Dichloromethane
1,2,4-Trichlorobenzene
1,1,2-Trichloroethane

Organics (SOC 1)

(As groups or individually)

Benzo(a)pyrene
Di(2-ethylhexyl)adipate
Di(2-ethylhexyl)phthalate
Hexachlorobenzene
Hexachlorocyclopentadiene
Endrin
Lindane
Methoxychlor
Toxaphene
Chlordane
Heptachlor
Heptachlor epoxide

Organics (SOC 1)

- Continued

Alachlor
Atrazine
Simazine
PCBs **
(as decachlorobiphenyls)
Pentachlorophenol

Organics (SOC 2)

2,3,7,8-TCDD (Dioxin)

Organics (SOC 3)

Ethylene Dibromide (EDB)
Dibromochloropropane (DBCP)

Radiologicals

(As groups or individually)

Gross alpha
Gross beta
Radium 226
Radium 228
Tritium
Strontium 89
Strontium 90
Iodine 131
Cesium 134
Cesium 137
Cobalt 60
Uranium

Haloacetic Acids (HAA5)

Monochloroacetic Acid
Monobromoacetic Acid
Dichloroacetic Acid
Trichloroacetic Acid
Dibromoacetic Acid

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