

# 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 Arachlors) \*  
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

*Revised March 3, 2016*