03/12

WEST VIRGINIA BUREAU FOR PUBLIC HEALTH
Office of Environmental Health Services
Environmental Engineering Division
350 Capitol Street, Room 313
Charleston, WV 25301-3713

PUBLIC DRINKING WATER - LIST OF REQUIRED CONTAMINANT ANALYSIS

Water intended for use as drinking water by community public water supplies and non-transient non-community public water supplies must be tested for the following contaminants and parameters. Analysis must be performed by a laboratory certified by the State of West Virginia to analyze drinking water samples, with the exception of Secondary Contaminants and TOC analysis. A list of approved laboratories is available upon request. Note: Transient non-community public water supplies need only analyze for Nitrate, Nitrite and Coliform Bacteria.

SECONDARY CONTAMINANTS

Parameter	MCL (mg/L)
pH	
Hardness	
Alkalinity	
Turbidity	
Sulfate	250
Silver	0.1
Aluminum	0.05
Chloride	250
Phosphate	
Iron	0.3
Manganese	0.05
Total Dissolved Solids	50
	0
Zinc	5
Foaming Agents	0.5

RADIONUCLIDES
(Community Systems Only)

Gross Alpha Particle Activity	15 pCi/l
Radium 228	*5 pCi/l

*combined with Radium 226

MICROBIOLOGICAL

Coliform Bacteria

LEAD & COPPER

	AL*
Lead	0.015
Copper	1.3

*Action Level

INORGANIC CHEMICALS

Contaminant	MCL(mg/l)
Nitrate	10.0
Nitrite	1.0
Arsenic	0.010
Barium	2.0
Cadmium	0.005
Chromium	0.1
Fluoride	4.0
Mercury	0.002
Selenium	0.05
Antimony	0.006
Beryllium	0.004
Cyanide	0.2
Nickel	
Thallium	0.002
Sodium	*20

*American Heart Assoc. recommendation

TOC

Total Organic Carbon
[Surface Water and Ground Water Under the Direct Influence (GWUDI) systems only]

REGULATED VOCs

Contaminant	MCL(mg/l)
Benzene	0.005
Carbon Tetrachloride	0.005
p-Dichlorobenzene	0.075
1,2-Dichloroethane	0.005
1,1-Dichloroethylene	0.007
1,1,1-Trichloroethane	0.2
Trichloroethylene	0.005
o-Dichlorobenzene	0.6
Cis-1,2-dichloroethylene	0.07
Trans-1,2-dichloroethylene	0.1
1,2-Dichloropropane	0.005
Ethylbenzene	0.7
Monochlorobenzene	0.1
Styrene	0.1
Tetrachloroethylene	0.005
Toluene	1.0
Xylenes	10.0
Dichloromethane	0.005
1,2,4-Trichlorobenzene	0.07
1,1,2-Trichloroethane	0.005
Vinyl Chloride	0.002

REG SOCs

Contaminant	MCL(mg/l)
Alachlor (Lasso)	0.002
Atrazine (Atranex, Crisazina)	0.003
Carbofuran (Furadan 4F)	0.04
Chlordane	0.002
2,4-D (Formula 40, Weedar 64)	0.07
Heptachlor (H-34,Heptox)	0.0004
Heptachlor Epoxide	0.0002
Lindane	0.0002
Methoxychlor	0.04
PCBs	0.0005
Oxamyl (Vydate)	0.2
Picloram	0.5
Simazine	0.004
Benzo(a)pyrene	0.0002
Di(2-ethylhexyl)adipate	0.4
Di(2-ethylhexyl)phthalate	0.006
Hexachlorocyclopentadiene	0.05

DISINFECTION BYPRODUCTS

Contaminant	MCL(mg/L)
TTHM	
Trichloromethane (chloroform)	
dibromochloromethane	
bromodichloromethane	
tribromomethane (bromoform)	
Total Trihalomethanes	0.080
HAA5	
monochloroacetic acid	
dichloroacetic acid	
trichloroacetic acid	
monobromoacetic acid	
dibromoacetic acid	
Total HAA5	0.060

MCL = Maximum Contaminant Level