



S.C. Department of Health and Environmental Control

**Water Pollution (WP) Study Parameters**

**Trace Metals**

Aluminum  
Antimony  
Arsenic  
Barium  
Beryllium  
Boron  
Cadmium  
Chromium, Total  
Chromium, VI  
Cobalt  
Copper  
Iron  
Lead  
Manganese  
Mercury  
Mercury, Low-Level  
Molybdenum  
Nickel  
Selenium  
Silver  
Strontium  
Thallium  
Tin  
Titanium  
Vanadium  
Zinc

**Inorganic - Demands**

Total Organic Carbon  
Chem. Oxygen Demand  
BOD  
Carbonaceous BOD

**Inorganic-Misc.**

Acidity  
Color  
Cyanide, Total  
Non-Filterable Residue  
pH  
Phenolics, Total  
Oil & Grease  
Residual Chlorine, Total  
(Low Level)  
Surfactants - MBAS  
Settleable Solids  
Silica  
Turbidity  
Volatile Solids

**Inorganic - Minerals**

Alkalinity  
Bromide  
Calcium  
Chloride  
Fluoride  
Magnesium  
Potassium  
Sodium  
Specific Conductance  
Sulfate  
Sulfide  
Total Hardness  
Total Dissolved Solids  
Total Solids

**Inorganic - Nutrients**

Ammonia as N  
Nitrate as N  
Nitrate-Nitrite as N  
Nitrite as N  
Orthophosphate as P  
Total Kjeldahl Nitrogen  
Total Phosphorus

**Microbiology**

Total Coliform - MF  
Total Coliform - MPN - Multiple Tube  
Total Coliform - MPN - Multiple Well  
Fecal Coliform - MF  
Fecal Coliform - MPN - Multiple Tube  
Fecal Coliform - MPN - Multiple Well  
E. coli - MF  
E. coli - MPN - Multiple Tube  
E. coli - MPN - Multiple Well  
Enterococci - MF  
Enterococci - MPN - Multiple Tube  
Enterococci - MPN - Multiple Well

**Whole Effluent Toxicity**

One PT sample per parameter and method (DMR-QA sample)

**Herbicides**

2,4-D  
Dicamba  
2,4,5-T  
2,4,5-TP (silvex)

**Low-Level Halocarbons**

1,2-Dibromo-2-chloropropane (DBCP)  
1,2-Dibromoethane (EDB)

**Semi-volatile Acids**

4-Chloro-3-methylphenol  
2-Chlorophenol  
2,4-Dichlorophenol  
2,6-Dichlorophenol  
2,4-Dimethylphenol  
2,4-Dinitrophenol  
2-Methyl-4,6-dinitrophenol  
2-Methylphenol (o-Cresol)  
4-Methylphenol (p-Cresol)  
2-Nitrophenol  
4-Nitrophenol  
Phenol  
Pentachlorophenol  
2,4,5-Trichlorophenol  
2,4,6-Trichlorophenol

**PCBs in Water:**

Aroclor 1016  
Aroclor 1221  
Aroclor 1232  
Aroclor 1242  
Aroclor 1248  
Aroclor 1254  
Aroclor 1260

**Pesticides**

Aldrin  
Alpha-BHC  
Beta-BHC  
Delta-BHC  
Lindane  
Chlordane (total)  
Alpha Chlordane  
Gamma Chlordane  
4,4' DDD  
4,4' DDE  
4,4' DDT  
Dieldrin  
Endosulfan I  
Endosulfan II  
Endosulfan Sulfate  
Endrin  
Endrin Aldehyde  
Endrin Ketone  
Heptachlor  
Heptachlor Epoxide  
Methoxychlor  
Toxaphene

**Petroleum Hydrocarbons**

Diesel Range Organics (DRO)

**Semi-volatile Base/Neutrals**

\*Acenaphthene  
\*Acenaphthylene  
\*Anthracene  
\*Benzo(a)anthracene  
\*Benzo(b)fluoranthene  
\*Benzo(k)fluoranthene  
\*Benzo(g,h,i)perylene  
\*Benzo(a)pyrene  
Benzyl butyl phthalate  
4-Bromophenyl-phenyl ether  
bis(2-Chloroethoxy)methane  
bis(2-Chloroethyl)ether  
bis(2-Chloroisopropyl)ether  
bis(2-Ethylhexyl)phthalate  
4-Chlorophenyl-phenyl ether  
2-Chloronaphthalene  
\*Chrysene  
\*Dibenz(a,h)anthracene  
Dibenzofuran  
1,2-Dichlorobenzene  
1,3-Dichlorobenzene  
1,4-Dichlorobenzene  
Diethyl phthalate  
Dimethyl phthalate  
Di-n-butylphthalate  
2,4-Dinitrotoluene  
2,6-Dinitrotoluene  
Di-n-octylphthalate  
\*Fluoranthene  
\*Fluorene  
Hexachlorobenzene  
Hexachloroutadiene  
Hexachlorocyclopentadiene  
Hexachloroethane  
\*Indeno(1,2,3,cd)pyrene  
Isophorone  
2-Methylnaphthalene  
\*Naphthalene  
Nitrobenzene  
N-Nitrosodimethylamine  
N-Nitroso-di-n-propylamine  
N-Nitrosodiphenylamine  
\*Phenanthrene  
\*Pyrene  
1,2,4-Trichlorobenzene

**Low-Level PAHs**

Compounds marked by \* above

**Volatiles**

Benzene  
Chlorobenzene  
1,2-Dichlorobenzene  
1,3-Dichlorobenzene  
1,4-Dichlorobenzene  
Ethylbenzene  
Naphthalene  
Toluene  
1,2,4-Trichlorobenzene  
1,2,4-Trimethylbenzene  
1,3,5-Trimethylbenzene  
Xylenes, total  
Acetone  
Bromodichloromethane  
Bromoform  
Bromomethane  
Carbon tetrachloride  
Chloroethane  
Chloroform  
Chloromethane  
Dibromochloromethane  
1,2-Dibromo-2-chloropropane (DBCP)  
1,2-Dibromoethane (EDB)  
Dibromomethane  
1,1-Dichloroethane  
1,2-Dichloroethane  
1,1-Dichloroethene  
cis-1,2-Dichloroethene  
trans-1,2-Dichloroethene  
1,2-Dichloropropane  
cis-1,3-Dichloropropene  
trans-1,3-Dichloropropene  
2-Hexanone  
4-Methyl-2-pentanone  
Methylene Chloride  
Methyl tert butyl ether  
Styrene  
1,1,1,2-Tetrachloroethane  
1,1,1,2,2-Tetrachloroethane  
Tetrachloroethene  
1,1,1-Trichloroethane  
1,1,2-Trichloroethane  
Trichloroethene  
Trichlorofluoromethane  
1,2,3-Trichloropropane  
Vinyl Chloride

**Volatile Petroleum Hydrocarbons**

Gasoline Range Organics (GRO)