



Monroe County Water Authority

2011 Water Quality Monitoring Program Summary

Table with columns for Parameter, Location, and various monitoring points (Shoremont WTP, Corfu WTP, Hemlock WTP, ECWA). Rows include various chemical and physical parameters like Aluminum, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chlorine, Chromium, Copper, Cyanide, Fluoride, Iron, Lead, Magnesium, Manganese, Mercury, Nickel, Nitrate, Nitrite, Potassium, Selenium, Silver, Sodium, Sulfate, Thallium, Zinc, Alkalinity, Chlorides, Color, Conductivity, pH, Total Dissolved Solids, Total Hardness, Total Organic Carbon, Surfactants, Turbidity, etc.

Not Detected

Key
MCL = Maximum Contaminant Level, the highest level of a contaminant that is allowed in drinking water
MCLG = Maximum Contaminant Level Goal, the level of a contaminant below which there is no known or expected risk to health
TT = Treatment Technique, a required process intended to reduce the level of a contaminant in drinking water
AL = Action Level, the concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow
Not Detected = ND = absent or present at less than testing method detection level
MFL = million fibers per liter, a measure of the presence of asbestos fibers longer than 5 micrometers
NS = Not Specified, Monitoring frequency requirements vary depending on compound
Action level: If 10% of results are greater than 15 ug/L for lead or 1.3 mg/L for copper, remedial steps are required
NT = Not Tested
NR = Not required
NS = No standard
NT = Not Tested
ug/L = microgram (1/1,000,000 of a gram) per liter = ppm = parts per million
mg/L = milligram (1/100,000 of a gram) per liter = ppb = parts per billion
ppb = picogram (1/1,000,000,000 of a gram) per liter = ppt = parts per trillion
pCu = picogram (1/1,000,000,000 of a gram) per liter = ppt = parts per quadrillion
pCuL = picocuries per liter
NTU = Nephelometric turbidity Unit, a measure of the clarity of water
MFL = million fibers per liter, a measure of the presence of asbestos fibers longer than 5 micrometers
NS = Not Specified, Monitoring frequency requirements vary depending on compound
Action level: If 10% of results are greater than 15 ug/L for lead or 1.3 mg/L for copper, remedial steps are required
In MCWA's combined retail area, 95% of the samples were less than 4.3 ug/L for lead and 0.100 mg/L for copper.
NS = 95% of measurements within a given month must be less than <0.3 NTUs.
\*\*\* = Average of monthly distribution system turbidity samples must be less than 0.5 NTUs.
\*\*\*\* = 95% of monthly distribution system samples must have a measurable chlorine residual.