



Monroe County Water Authority

If you have any questions on this report, please call our Customer Service Department at (585) 442-7200.

2005 Water Quality Monitoring Program Summary

Table with columns for Parameter, Station (Shoremont WTP, Corfu WTP, Hemlock WTP, ECWA, City of Batavia WTP, Town of Ontario WTP), and various data points (Average, Range, Samples in 2005). Includes sections for Inorganics, Metals, Physical Parameters, Volatile Organics, and Organics, Pesticides, Herbicides.

Disinfectant Byproducts																					
Total THMs	80	NA	ug/L	41	12 - 81	16	43	25 - 61	4	37	24 - 57	16	43	25 - 61	4	44	22 - 66	16	42	30 - 52	4
Halooacetic Acids	60	NA	ug/L	15	6 - 40	16	27	20 - 33	4	21	8 - 40	16	27	20 - 33	4	22	20 - 24	16	13	9 - 25	4

Key

MCL = Maximum Contaminant Level, the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as possible.

MCLG = Maximum Contaminant Level Goal, the level of a contaminant below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

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. All testing methods are EPA approved with detection limits much less than the MCL.

NA = Not applicable **NR** = Not required **NS** = No standard **NT** = Not Tested

mg/l = milligram (1/1,000 of a gram) per liter = **ppm** = parts per million

ug/l = microgram (1/1,000,000 of a gram) per liter = **ppb** = parts per billion

ng/L = nanogram (1/1,000,000,000 of a gram) per liter = **ppt** = parts per trillion

pg/L = picogram (1/1,000,000,000,000 of a gram) per liter = **ppq** = parts per quadrillion

pC/L = picroCuries 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 10 micrometers

(year) = Most recent testing. 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, remediate steps are required. In MCWA's combined retail area, 90% of the samples were less than 7 ug/L for lead and 0.140 mg/L for copper.

****** = 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 5.0 NTUs.

******** = 95% of monthly distribution system samples must have a measurable chlorine residual.

Note: Total Hardness is also expressed in grains per gallon. The Total Hardness of the Ontario and Hemlock supplies are 7.6 and 5.6 grains per gallon respectively.