

Approved Modifications to the MPA Consensus Method for use in Nova Scotia

(NSE July 2013)

The following modifications to the MPA Consensus Method (USEPA 1992) are **approved** and recommended by NS Environment:

1. Sample Volume – 380 litres of water is the recommended sample volume.
2. Filter type – Envirochek® HV Capsule or IDEXX Filta-Max® are recommended filters.
3. Magnification – 100X to 1000X is the recommended magnification range. Up to 1000X is recommended to examine smaller particles.

The following modifications to the MPA Consensus Method (USEPA 1992) are **not approved** by NS Environment:

1. Flotation – Particle concentration by floatation is **not approved** (e.g., floatation on a percoll, percoll-sucrose, or sucrose solution).

References:

USEPA. 1992. Consensus Method for Determining Groundwater Under the Direct Influence of Surface Water Using Microscopic Particulate Analysis (MPA). U.S. Environmental Protection Agency. EPA 910/9-92-029. October 1992.