Figure 2: Concentrations of size-fractionated PM at G.T. Craig and Chippewa Lake as determined by ChemVol sampling.

Figure 3: Concentrations of organic carbon (OC) and elemental carbon (EC) in size-fractionated PM at G.T. Craig and Chippewa Lake as determined by ChemVol sampling.

Figure 4: Concentrations of ionic components in size-fractionated PM at G.T Craig and Chippewa Lake as determined by ChemVol sampling.

Figure 5: Concentrations of inorganic elements in size-fractionated PM at G.T. Craig and Chippewa Lake as determined by ChemVol sampling.

Figure 6: Source contributions to coarse PM at G.T. Craig and Chippewa Lake, estimated by EPA PMF with speciated PM data from the ChemVol sampler.

Figure 7: Source contributions to fine PM at G.T. Craig and Chippewa Lake, estimated by EPA PMF with speciated PM data from the ChemVol sampler.

Figure 8: Source contributions to ultrafine PM at G.T. Craig and Chippewa Lake, estimated by EPA PMF with speciated PM data from the ChemVol sampler.

Table S2: Average concentrations (µg m-3) of PM, carbon species, ionic species, and inorganic elements of the ChemVol samples during a year-long sampling period.

Figure S1: Source profiles of coarse PM at G.T. Craig and Chippewa Lake, estimated by EPA PMF with speciated PM data from the ChemVol sampler.

Figure S2: Source profiles of fine PM at G.T. Craig and Chippewa Lake, estimated by EPA PMF with speciated PM data from the ChemVol sampler.

Figure S3: Source profiles of ultrafine PM at G.T. Craig and Chippewa Lake, estimated by EPA PMF with speciated PM data from the ChemVol sampler.

Figure S4: Source contributions to coarse PM at G.T. Craig and Chippewa Lake, estimated by EPA PMF with speciated PM data from the dichotomous sampler.

Figure S5: Source contributions to fine PM at G.T. Craig and Chippewa Lake, estimated by EPA PMF with speciated PM data from the dichotomous sampler.

Figure S6: Source profiles of coarse PM at G.T. Craig and Chippewa Lake, estimated by EPA PMF with speciated PM data from the dichotomous sampler.

Figure S7: Source profiles of fine PM at G.T. Craig and Chippewa Lake, estimated by EPA PMF with speciated PM data from the dichotomous sampler.

Figure S8: Concentrations of elemental components of coarse PM at G.T. Craig and Chippewa Lake determined by SEM-EDS. PM samples were collected from the UNC passive sampler for a week at each site over four consecutive weeks in July-August 2009 and February 2010.