

Attribution of Multiple Sources of Per and Polyfluoroalkyl Substances (PFAS) in Groundwater at the Cape Cod Gateway Airport using Several Forensic Lines of Evidence

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The sources of PFAS at a municipal airport were investigated. The forensic lines of evidence included the presence or absence of individual PFAS compounds, differences in absolute concentrations, relative ratios and patterns, geospatial analysis, and hydrological assessment. Additionally, to confirm the source identification based on the conventional PFAS data, several groundwater samples were analyzed by a special high-resolution method that could potentially identify nearly 500 PFAS compounds.