

Sequential Sampling Using the Andersen RAAS2.5-400 Speciation Sampler

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The Andersen RAAS2.5-400 Speciation Sampler was developed for EPA's fine particle speciation network based on sampling systems used in the field for many years. The basic goal of the system design was a flexible platform allowing many different sampling protocols and approaches. The basic system uses a manifold design to provide a flexible sampling system facilitating the use of denuders, many types of filters, and post filter gas traps. Filters can be used in single or multiple inline designs. Without changing the flow path or flow rates, an option is now available to sample for multiple days without manual attention to the sampler. The option is usable with all sampling elements. The sampler has performed well in field tests and data will be presented extending the range of tested configurations.