

HOW TO COLLECT AN AMBIENT AIR SAMPLE USING CANISTERS AND PASSIVE SAMPLING TECHNIQUES

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Ambient air sampling involves collecting a representative sample of ambient air for analysis. SUMMA or SilcoCan (fused silica lined) Canisters are used for collecting and storage of ambient air samples. Passive sampling technique involves drawing an ambient air sample into an evacuated canister. Time integrated sampling incorporates a flow device to control the flow entering the canister. This allows the sample to be collected over a specific time period, i.e. 24 hour sample. This paper discusses the technique of time weighted passive sampling using a flow controlling device and canisters.