

Open Port Sampling Interface

Disclosure Number

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Technology Summary

This invention is a continuous flow, self-cleaning, simple, and versatile open port sampling interface for liquid introduction atmospheric pressure ionization mass spectrometry or for fraction collection for subsequent chemical analysis. The open port interface allows the sampling of material by direct liquid extraction, by physical transport or liquid or solids to the sampling port or by capture of laser ablation plume components. The material once in the sampling port is dissolved in the solvent system and delivered to the atmospheric pressure liquid introduction ionization source of a mass spectrometer. Alternatively the material is collected for other subsequent analyses.

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