



## Can you imagine doing ASTM D6886 analysis in a single afternoon?

*Same data quality without calibration standards*

ARC has revised ASTM D6886 for VOCs in paints and coatings to include the Polyarc system as an option to simplify the analysis by eliminating the need to run standards to determine experimental RRFs. This results in faster analysis, decreased error, and increased safety of the scientists by reducing chemical storage and waste. Initial ILS results for this revision showed similar repeatability and reproducibility to the original method.

<b>Method Comparison</b>	<b>Method A</b>	<b>Method B</b>
<b>Instrument</b>	GC/FID	<b>GC/microreactor/ FID</b>
<b>Identification</b>	MS or Retention Time	<b>MS or Retention Time</b>
<b>Stock Standard</b>	Calibrate to obtain experimental RRFs for individual compounds	<b>Validate system with single injection</b>
<b>D6886 Analysis</b>	Use experimental RRFs to calculate concentration	<b>Use tabulated MRRFs to calculate concentration</b>