

Effect of Diluent on Analyte Adsorption to Glass Autosampler Vials - White Paper

Date: 8-JANUARY-2014 Last Updated: 27-OCTOBER-2025

It is well known that silanol groups present on the surface of Type I glass autosampler vials contribute to quantitative loss in the case of basic analytes. This is believed to occur primarily by electrostatic interaction and possibly by hydrogen bonding to some degree.

In order to investigate the nature of this interaction in more detail, we conducted a series of experiments using different sample diluents and used RSA™ Reduced Surface Activity autosampler vials.

Click Below to Download a PDF to read full article.



Attachment

Effect of diluent on adsorption pdf [Download File](#)