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Waters APGC-MS/MS system acceptable for advanced dioxin and furan analysis

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The USEPA's acceptance of APGC-MS/MS comes after a two-year collaboration with SGS- AXYS



Waters Corporation announced that its Xevo TQ-XS atmospheric pressure gas chromatography (APGC) mass spectrometry (MS) platform is an accepted alternative for the identification and quantification of dioxins and furans in environmental samples. Dioxins are a byproduct of human industrial activity and their effects on human health are well documented1. The acceptance of Method 16130 by the United States Environmental Protection Agency's (USEPA) Office of Water comes after a review of validation data submitted by SGS AXYS Analytical Services Ltd.

"We are extremely thankful that after a lot of hard work with the team at SGS AXYS, the USEPA has opened the door to APGC-MS/MS as an acceptable alternative for dioxin analysis," said Warren Potts, Senior Director, Food & Environmental Business, Waters Corporation.

The USEPA's acceptance of APGC-MS/MS comes after a two-year collaboration with SGS- AXYS. Analytical Services Ltd. Recognising the need for a more efficient solution, Waters served as a key collaborator of SGS AXYS Analytical Services in the validation of APGC-MS/MS as an approved method for dioxin testing.

"As part of the SGS AXYS 'think tank', we were excited to collaborate with the team from Waters Corporation alongside the EPA over the course of two years to develop the SGS AXYS Method 16130," said Coreen Hamilton, Senior Scientist, SGS Environmental, Health and Safety who worked on the project.

Acceptance of the APGC-MS/MS method frees laboratories to deploy modern instrumentation that is less expensive, more sensitive and easier to operate.