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(54) Title: ASSAY FOR DETECTION AND QUANTIFICATION OF PFAS COMPOUNDS

(57) Abstract: Methods and kits are provided for detecting and quantifying a PFAS compound or a mixture of PFAS compounds in a sample. The method includes the steps of providing a complex of a cyclodextrin and an indicator molecule, contacting the complex with the sample and measuring a parameter of the indicator molecule. The parameter is correlated with an extent of displacement of the reporter molecule from the cyclodextrin and binding of the PFAS compound to the cyclodextrin. This indicates the presence and quantity of the PFAS compound in the sample. The method is useful for monitoring samples such as environmental water samples. The kits include assay solutions for performing the methods and may also include solid-phase extraction matrices for pre-treatment of samples.



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