

ISO 12846:2012-04 (E)

Water quality - Determination of mercury - Method using atomic absorption spectrometry (AAS) with and without enrichment

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Principle	2
4	General interferences	2
5	Sample collection and pre-treatment for drinking, surface, ground and rain-water samples	3
6	Determination of mercury after tin(II) chloride reduction and enrichment by amalgamation	4
6.1	Reagents and standards	4
6.2	Apparatus and instrumentation	6
6.3	Instrumental set-up	8
6.4	Procedure	8
6.5	Calculation	9
7	Determination of mercury after tin(II) chloride reduction without enrichment	9
7.1	Reagents and standards	9
7.2	Apparatus and instrumentation	9
7.3	Sample collection and pre-treatment for drinking, surface, ground and rain-water samples	10
7.4	Sample collection and pre-treatment for waste-water samples	10
7.5	Instrumental set-up	10
7.6	Procedure	10
7.7	Calculation	11
8	Expression of results	11
9	Test report	11
Annex A (informative) Performance data		12
Bibliography		15