ISO 15202-2:2020-05 (E)

Workplace air - Determination of metals and metalloids in airborne particulate matter by inductively coupled plasma atomic emission spectrometry - Part 2: Sample preparation

Cont	tents	age
Forev	word	i
Intro	duction	
1	Scope	
2	Normative references	2
3	Terms and definitions	
4	Principle	
5	Requirements	
6	Reactions	
7	Reagents	
8	Laboratory apparatus	4
9	Procedure 9.1 Soluble metal and metalloid compounds 9.2 Total metals and metalloids and their compounds 9.3 Mixed exposure	<u>.</u>
10	 Special cases. 10.1 Action to be taken if there is doubt about the effectiveness of the selected sample dissolution method. 10.2 Action to be taken when particles have become dislodged from the filter during transportation. 10.3 Action to be taken regarding sampler wall deposits. 	
11	Laboratory records	
Anne	ex A (informative) Safety precautions to be observed when using hydrofluoric and perchloric acids	
Anne	ex B (normative) Sample dissolution method for soluble metal and metalloid compounds	8
Anne	ex C (normative) Sample dissolution using nitric acid and hydrochloric acid on a hotplate	14
Anne	ex D (normative) Sample dissolution using hydrofluoric and nitric acids and ultrasonic agitation	18
Anne	ex E (normative) Sample dissolution using sulfuric acid and hydrogen peroxide on a hotplate	2 2
Anne	ex F (normative) Sample dissolution using nitric acid and perchloric acid on a hotplate	2
Anne	ex G (normative) Sample dissolution in a closed vessel microwave dissolution system	29
Anne	ex H (normative) Sample dissolution at 95 °C using a hot block	3
Anne	ex I (normative) Action to be taken when there is visible, undissolved, particulate material after sample dissolution	38
Anne	ex J (informative) Sampler wall deposits	4
Bibli	ography	4'