

## SCHEDULE 4

## METHODS OF ANALYSIS

## PART B

## Chemical and indicator parameters

3. Until 31st December 2019, the enforcing authority may, for a parameter in Table 2, use the corresponding 'trueness', 'precision' and 'limit of detection' in that table as an alternative set of performance characteristics (instead of using the limit of quantification and the uncertainty of measurement referred to in paragraph 1(1)).

TABLE 1

**Minimum performance characteristic: uncertainty of measurement**

<i>Parameter</i>	<i>Uncertainty of measurement</i> <i>(% of parametric value, except pH) (Note 1)</i>	<i>Notes(1)</i>
Aluminium	25	
Ammonium	40	
Antimony	40	
Arsenic	30	
Benzo(a)pyrene	50	Note 5
Benzene	40	
Boron	25	
Bromate	40	
Cadmium	25	
Chloride	15	
Chromium	30	
Conductivity	20	
Copper	25	
Cyanide	30	Note 6
1,2-dichloroethane	40	
Fluoride	20	
Hydrogen ion concentration (in pH)	0.2	Note 7
Iron	30	
Lead	25	

(1) Acrylamide, epichlorohydrin and vinyl chloride to be controlled by product specification.

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<i>Parameter</i>	<i>Uncertainty of measurement</i> <i>(% of parametric value, except pH) (Note 1)</i>	<i>Notes(1)</i>
Manganese	30	
Mercury	30	
Nickel	25	
Nitrate	15	
Nitrite	20	
Oxidisability	50	Note 8
Pesticides	30	Note 9
Polycyclic aromatic hydrocarbons	30	Note 10
Selenium	40	
Sodium	15	
Sulphate	15	
Tetrachloroethene	30	Note 11
Trichloroethene	40	Note 11
Trihalomethanes: total	40	Note 10
Total organic carbon	30	Note 12
Turbidity	30	Note 13

**TABLE 2**

**Minimum performance characteristics: trueness, precision and limit of detection**

<i>Parameter</i>	<i>Trueness</i> <i>(% of parametric value, except for pH) (Note 2)</i>	<i>Precision</i> <i>(% of parametric value, except for pH) (Note 3)</i>	<i>Limit of detection</i> <i>(% of parametric value, except for pH) (Note 4)</i>	<i>Notes(2)</i>
Aluminium	10	10	10	
Ammonium	10	10	10	
Antimony	25	25	25	
Arsenic	10	10	10	
Benzo(a)pyrene	25	25	25	
Benzene	25	25	25	

(1) Acrylamide, epichlorohydrin and vinyl chloride to be controlled by product specification.

(2) Acrylamide, epichlorohydrin and vinyl chloride to be controlled by product specification.

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<i>Parameter</i>	<i>Trueness</i> <i>(% of parametric value, except for pH) (Note 2)</i>	<i>Precision</i> <i>(% of parametric value, except for pH) (Note 3)</i>	<i>Limit of detection</i> <i>(% of parametric value, except for pH) (Note 4)</i>	<i>Notes(2)</i>
Boron	10	10	10	
Bromate	25	25	25	
Cadmium	10	10	10	
Chloride	10	10	10	
Chromium	10	10	10	
Conductivity	10	10	10	
Copper	10	10	10	
Cyanide	10	10	10	Note 6
1,2-dichloroethane	25	25	10	
Fluoride	10	10	10	
Hydrogen ion concentration (in pH)	0.2	0.2		Note 7
Iron	10	10	10	
Lead	10	10	10	
Manganese	10	10	10	
Mercury	20	10	20	
Nickel	10	10	10	
Nitrate	10	10	10	
Nitrite	10	10	10	
Oxidisability	25	25	25	Note 8
Pesticides	25	25	25	Note 9
Polycyclic aromatic hydrocarbons	25	25	25	Note 10
Selenium	10	10	10	
Sodium	10	10	10	
Sulphate	10	10	10	
Tetrachloroethene	25	25	10	Note 11
Trichloroethene	25	25	10	Note 11
Trihalomethanes: total	25	25	10	Note 10
Turbidity	25	25	25	

(2) Acrylamide, epichlorohydrin and vinyl chloride to be controlled by product specification.

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