

SCHEDULE 3

Regulations 2(1), 2(4) and 15(5)

ANALYSIS: METHODS AND CAPABILITIES

TABLE M1

SPECIFIED PARAMETERS: ANALYTICAL METHOD TO BE USED

(1) <i>Item</i>	(2) <i>Parameter</i>	(3) <i>Method</i>
1.	<i>Clostridium perfringens</i> (including spores)	Membrane filtration followed by anaerobic incubation of the membrane on m-CP agar ^(a) at 44 ± 1°C for 21 ± 3 hours. Count opaque yellow colonies that turn pink or red after exposure to ammonium hydroxide vapours for 20 to 30 seconds.
2.	Coliform bacteria	ISO 9308-1
3.	Colony count 22°C — enumeration of culturable microorganisms	prEN ISO 6222
4.	Colony count 37°C — enumeration of culturable microorganisms	prEN 6222
5.	Enterococci	ISO 7899-2
6.	<i>Escherichia coli</i>	ISO 9308-1

- (a) The composition of m-CP agar is:
Basal medium—
Dissolve the ingredients of the basal medium, adjust pH to 7.6 and autoclave at 121°C for 15 minutes.

Tryptose	30.0 g
Yeast extract	20.0 g
Sucrose	5.0 g
L-cysteine hydrochloride	1.0 g
MgSO ₄ .7H ₂ O	0.1 g
Bromocresol purple	40.0 mg
Agar	15.0 g
Water	1,000.0 ml

Allow the medium to cool and add—

D-cycloserine	400.0 mg
Polymyxine-B sulphate	25.0 mg
Indoxyl-(beta)-D-glucoside to be dissolved in 8ml sterile water before addition	60.0 mg
Filter-sterilised 0.5% phenolphthalein disphosphate solution	20.0 ml
Filter-sterilised 4.5% FeCl ₃ .6H ₂ O	2.0 ml

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TABLE M2

OTHER PARAMETERS: CAPABILITIES REQUIRED OF ANALYTICAL METHOD

(1) <i>Item</i>	(2) <i>Parameter</i>	(3) <i>Trueness % of prescribed concentration or value</i>	(4) <i>Precision % of prescribed concentration or value</i>	(5) <i>Limit of detection % of prescribed concentration or value</i>
1.	Aluminium	10	10	10
2.	Ammonium	10	10	10
3.	Antimony	25	25	25

Notes—

- (a) The method of analysis should determine total cyanide in all forms.
 (b) The capabilities required apply in relation to each individual pesticide.
 (c) The capabilities required apply in relation to each individual substance comprising PAH: Total at 25% of the prescribed concentration or value for PAH: Total.
 (d) The capabilities required apply at 50% of the prescribed concentration or value for PAH: Total.
 (e) The capabilities required apply in relation to prescribed concentration or value in Table B.
 (f) The capabilities required apply in relation to prescribed concentration or value in Table C.

In this Schedule “Pesticide”, “PAH: Total” and “THM: Total” have the meanings given in Schedule 1.

<i>(1) Item</i>	<i>(2) Parameter</i>	<i>(3) Trueness % of prescribed concentration or value</i>	<i>(4) Precision % of prescribed concentration or value</i>	<i>(5) Limit of detection % of prescribed concentration or value</i>
4.	Arsenic	10	10	10
5.	Benzene	25	25	25
6.	Benzo(a)pyrene	25	25	25
7.	Boron	10	10	10
8.	Bromate	25	25	25
9.	Cadmium	10	10	10
10.	Chloride	10	10	10
11.	Chromium	10	10	10
12.	Colour	10	10	10
13.	Conductivity	10	10	10
14.	Copper	10	10	10
15.	Cyanide ^(a)	10	10	10
16.	1,2-dichloroethane	25	25	10
17.	Fluoride	10	10	10
18.	Iron	10	10	10
19.	Lead	10	10	10
20.	Manganese	10	10	10
21.	Mercury	20	10	20
22.	Nickel	10	10	10
23.	Nitrate	10	10	10
24.	Nitrite	10	10	10
25.	Pesticide ^(b)	25	25	25
26.	PAH: Total ^(c)	25	25	25
27.	Selenium	10	10	10

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- (d) The capabilities required apply at 50% of the prescribed concentration or value for PAH: Total.
- (e) The capabilities required apply in relation to prescribed concentration or value in Table B.
- (f) The capabilities required apply in relation to prescribed concentration or value in Table C.

In this Schedule “Pesticide”, “PAH: Total” and “THM: Total” have the meanings given in Schedule 1.

Draft Legislation: This is a draft item of legislation. This draft has since been made as a Scottish Statutory Instrument: The Public Water Supplies (Scotland) Regulations 2014 No. 364

<i>(1) Item</i>	<i>(2) Parameter</i>	<i>(3) Trueness % of prescribed concentration or value</i>	<i>(4) Precision % of prescribed concentration or value</i>	<i>(5) Limit of detection % of prescribed concentration or value</i>
28.	Sodium	10	10	10
29.	Sulphate	10	10	10
30.	Tetrachloroethene ^(d)	25	25	10
31.	Tetrachloromethane	20	20	20
32.	Trichloroethene ^(d)	25	25	10
33.	THM: Total ^(c)	25	25	10
34.	Turbidity ^(e)	10	10	10
35.	Turbidity ^(f)	25	25	25

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- (d) The capabilities required apply at 50% of the prescribed concentration or value for PAH: Total.
- (e) The capabilities required apply in relation to prescribed concentration or value in Table B.
- (f) The capabilities required apply in relation to prescribed concentration or value in Table C.

In this Schedule “Pesticide”, “PAH: Total” and “THM: Total” have the meanings given in Schedule 1.