SCHEDULE 2

PART I

METHOD OF MEASURING THE VALUES OF PARAMETERS

No. in Annex II to 75/440/EEC	Parameters	Units	Limit of detection[1]	Precision[2]	Accuracy[3]	Method of measurement	Materials recommended for the container
2	Coloration (after simple filtration)	mg/l Pt Scale	5	10%	20%	— Filtering through a glass fibre membrane. Photometric method using platinum-cobalt scale.	
4	Temperature	°C	—	0.5	1	— Thermometry. Measured in situ at the time of sampling without prior treatment of the sample.	
7	Nitrates	mg/l NO_3	2	10%	20%	— Molecular absorption spectrophotometry.	
8	Fluorides	mg/l F	0.05[7]	10%[7]	20%[7]	— Molecular absorption spectrophotometry after distillation if necessary. — Ion selective electrodes.	

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10	Dissolved iron	mg/l Fe	0.02[5]	10%[5]	20%[5]	— Atomic absorption spectrophotometry after filtering through 0.45 µm filter membrane. — Molecular absorption spectrophotometry after filtering through 0.45 µm filter membrane.	
12	Copper[4]	mg/l Cu	0.005[7]	10%[7]	20%[7]	— Atomic absorption spectrophotometry. — Polarography.	
13	Zinc[4]	mg/l Zn	0.02	10%	20%	— Atomic absorption spectrophotometry. — Molecular absorption spectrophotometry.	
19	Arsenic[4]	mg/l As	0.01	10%	20%	— Atomic absorption spectrophotometry. — Molecular absorption spectrophotometry.	
20	Cadmium[4]	mg/l Cd	0.001	30%	30%	— Atomic absorption spectrophotometry. — Polarography.	
21	Total chromium[4]	mg/l Cr	0.01	20%	30%	— Atomic absorption spectrophotometry.	

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						— Molecular absorption spectrophotometry.	
22	Lead[4]	mg/l Pb	0.01	20%	30%	— Atomic absorption spectrophotometry. — Polarography.	
23	Selenium[4]	mg/l Se	0.005	10%	10%	— Atomic absorption spectrophotometry.	
24	Mercury[4]	mg/l Hg	0.0002	30%	30%	— Flameless atomic absorption spectrophotometry (cold vaporisation).	
25	Barium[4]	mg/l Ba	0.02	15%	30%	— Atomic absorption spectrophotometry.	
26	Cyanide	mg/l CN	0.01	20%	30%	— Molecular absorption spectrophotometry.	
27	Sulphates	mg/l SO_4	10	10%	10%	— Gravimetric analysis. — EDTA compleximetry. — Molecular absorption spectrophotometry.	
31	Phenols (phenol index) paranitraniline 4-aminoantipyrene	mg/l C_6H_5OH	0.0005[7] 0.001[8]	0.0005[7] 30%[8]	0.0005[7] 50%[8]	— Molecular absorption spectrophotometry 4-aminoantipyrene method. — Paranitraniline method.	Glass.
32	Dissolved or emulsified hydrocarbons	mg/l	0.01[7] 0.04[8]	20%[7] 20%[8]	30%[7] 30%[8]	— Infra-red spectrometry after extraction by	Glass

No. in Annex II to 75/440/EEC	Parameters	Units	Limit of detection[1]	Precision[2]	Accuracy[3]	Method of measurement	Materials recommended for the container
						carbon tetrachloride. — Gravimetry after extraction by petroleum ether.	
33	Polycyclic aromatic hydrocarbons[4]	mg/l	0.00004	50%	50%	— Measurement of fluorescence in the UV after thin layer chromatography. Comparative measurements in relation to a mixture of six control substances with the same concentration.	Glass or aluminium.
34	Total pesticides (parathion, hexachloro-cyclohexane, dieldrin)[4]	mg/l	0.0001	50%	50%	— Gas or liquid chromatography after extraction by suitable solvents and purification. Identification of the constituents of the mixture.	Glass.

No. in Annex II to 75/440/EEC	Parameters	Units	Limit of detection[1]	Precision[2]	Accuracy[3]	Method of measurement	Materials recommended for the container
						Quantitative analysis.[10]	
39	Ammonium	mg/l NH_4	0.1[8]	10%[8]	20%[8]	— Molecular absorption spectrophotometry.	

1 "Limit of detection" means the minimum value of the parameter examined which it is possible to detect.

2 "Precision" means the range within which 95% of the results of measurements made on a single sample, using the same method, are located.

3 "Accuracy" means the difference between the true value of the parameter examined and the average experimental value obtained.

4 If the samples contain so much suspended matter as to require special preliminary treatment, the accuracy values shown in the above Table may as an exception be exceeded and are to be regarded as a target. These samples must be treated so as to ensure that the analysis covers the largest quantity of substances to be measured.

5 For waters classified as DW1 or DW2.

6 For waters classified as DW3.

7 For waters classified as DW1.

8 For waters classified as DW2 or DW3.

9 Mixture of six standard substances all of the same concentration to be taken into consideration: fluoranthene; 3,4-benzofluoranthene; 11, 12-benzofluoranthene; 3,4-benzopyrene; 1,12-benzoperylene; indeno (1,2,3-cd) pyrene.

10 Mixture of three substances all of the same concentration to be taken into consideration: parathion, hexachlorocyclohexane, dieldrin.