



United Nations Environment Programme



Distr.
RESTRICTED

UNEP/WG.118/Inf.9/Corr.1
7 May 1985

Original: ENGLISH

Third Meeting of the Working Group for
Scientific and Technical Co-operation
for MED POL

Athens, 27-31 May 1985



Long-term Programme for Pollution Monitoring and Research
in the Mediterranean Sea (MED POL - PHASE II)

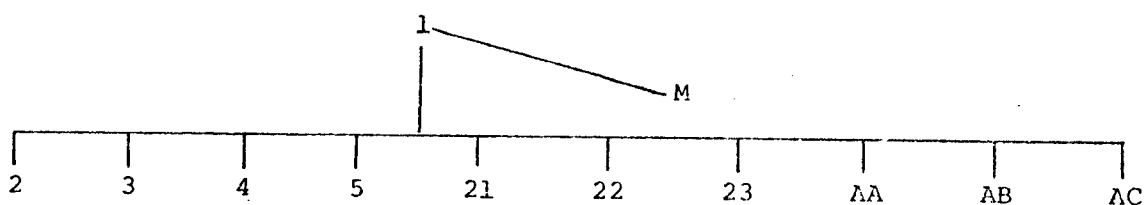
STATUS OF REFERENCE METHODS FOR MARINE POLLUTION STUDIES

Note: This document is issued in order to reflect the latest status of the Reference Methods and replaces the information contained in Table I of UNEP/WG.118/Inf.9 (dated 13 February 1985).

Table 1. Reference Methods for marine pollution studies

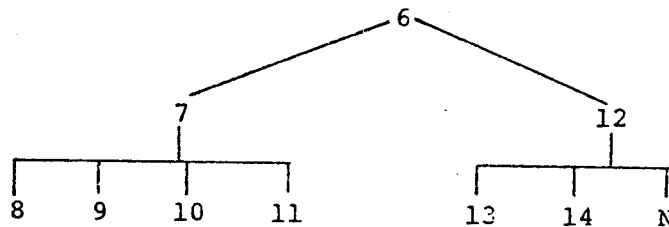
A. Sanitary quality of coastal recreational and shellfish-growing waters

No.	1	UNEP/WHO: Guidelines for monitoring the quality of coastal recreational and shellfish-growing waters.	draft(E) 09.05.84
No.	2	UNEP/WHO: Determination of total coliforms in sea-water by the membrane filtration culture method.	Rev.1(E) 31.08.83 Rev.1(F) 31.10.83
No.	3	UNEP/WHO: Determination of faecal coliforms in sea-water by the membrane filtration culture method.	Rev.1(E) 31.08.83 Rev.1(F) 31.10.83
No.	4	UNEP/WHO: Determination of faecal streptococci in sea-water by the membrane filtration culture method.	Rev.1(E) 31.08.83 Rev.1(F) 31.10.83
No.	5	UNEP/WHO: Determination of faecal coliforms in bivalves by multiple test tube method.	Rev.1(E) 31.08.83 Rev.1(F) 31.10.83
No.	21	UNEP/WHO/IAEA: Determination of total coliforms in sea-water by multiple test tube (MPN) method.	in print
No.	22	UNEP/WHO/IAEA: Determination of faecal coliforms in sea-water by multiple test tube (MPN) method.	in print
No.	23	UNEP/WHO/IAEA: Determination of faecal streptococci in sea-water by multiple test tube (MPN) method.	in print
D		UNEP/WHO/IAEA: Determination of faecal coliforms in estuarine waters, suspended matter and sediments.	in preparation
M		UNEP/WHO/IAEA: Statistical methods for the evaluation of results from monitoring the quality of coastal recreational and shellfish-growing waters.	in preparation
AA		UNEP/WHO/IAEA: Determination of Staphylococcus aureus in sea-water and sewage by the membrane filtration culture method.	in preparation
AB		UNEP/WHO/IAEA: Determination of Pseudomonas aeruginosa in sea-water and sewage by the membrane filtration culture method.	in preparation
AC		UNEP/WHO/IAEA: Isolation/enumeration of salmonella from sea-water and sewage.	in preparation



B. Chemical contaminants in marine organisms

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| No. 6 | UNEP/FAO/IAEA: Guidelines for monitoring chemical contaminants in marine organisms. | in preparation |
| No. 7 | UNEP/FAO/IAEA/IOC: Sampling of selected marine organisms and sample preparation for trace metals analysis. | Rev.2(E) 12.11.84 |
| No. 8 | UNEP/FAO/IAEA/IOC: Determination of total mercury in selected marine organisms by cold vapour atomic absorption spectrophotometry. | Rev.1(E) 12.11.84 |
| No. 9 | UNEP/FAO/IAEA: Determination of total arsenic in selected marine organisms by hydride generation atomic absorption spectrophotometry. | draft (E) 22.04.85 |
| No. 10 | UNEP/FAO/IAEA: Determination of total selenium in selected marine organisms by hydride generation atomic absorption spectrophotometry. | (E) 12.11.84 |
| No. 11 | UNEP/FAO/IAEA/IOC: Determination of total cadmium, zinc, lead and copper in selected marine organisms by flameless atomic absorption spectrophotometry. | Rev.1(E) 12.11.84 |
| No. 12 | UNEP/FAO/IAEA: Sampling of selected marine organisms and sample preparation for the analysis of chlorinated hydrocarbons. | Rev.1(E) 12.11.84 |
| No. 13 | UNEP/FAO/IAEA: Determination of methylmercury in selected marine organisms by gas chromatography. | (E) 12.11.84 |
| No. 14 | UNEP/FAO/IOC/IAEA: Determination of DDTs and PCBs in selected marine organisms by packed column chromatography. | Rev.1(E) in print |
| N | UNEP/FAO/IOC/IAEA: Determination of DDTs and PCBs in selected marine organisms by capillary column gas chromatography | in preparation |



C. Chemical contaminants in sea-water

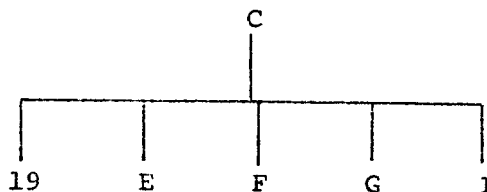
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| No. 16 | UNEP/IAEA: Determination of DDTs, PCBs, PCCs and other hydrocarbons in sea-water by gas chromatography. | draft(E) 27.09.82 |
| No. 18 | UNEP/IOC: Determination of total dissolved cadmium in sea-water by differential pulse anodic stripping voltammetry. | draft(E) 16.09.83 |
| B | UNEP/IOC/IAEA: Monitoring of petroleum hydrocarbons in sea-water. | in preparation |

D. Chemical contaminants in marine sediments and suspended matter

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| No. 17 | UNEP/IAEA: Determination of DDTs, PCBs and other hydrocarbons in marine sediments by gas-liquid chromatography. | draft(E) 22.09.82 |
| No. 20 | UNEP/IOC: Monitoring of petroleum hydrocarbons in sediments. | in preparation |
| No. 26 | UNEP/IAEA: Determination of total mercury in marine sediments and suspended solids by cold vapour atomic absorption spectrophotometry. | draft (E) 25.03.85 |
| No. 27 | UNEP/IAEA: Determination of total cadmium in marine sediments by flameless atomic absorption spectrophotometry. | draft (E) 25.03.85 |
| E | UNEP/WHO/IAEA: Determination of phosphorus in suspended matter and sediments. | in preparation |
| F | UNEP/WHO/IAEA: Determination of nitrogen in suspended matter and sediments. | in preparation |

E. Chemical contaminants in estuarine water and suspended matter

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| No. 19 | UNEP/IOC/IAEA: Determination of total mercury in estuarine waters and suspended matter by cold vapour atomic absorption spectrophotometry. | draft (E) 25.03.85 |
| C | UNEP/IAEA: Guidelines for monitoring of estuarine waters and suspended matter. | in preparation |
| E | UNEP/WHO/IAEA: Determination of phosphorus in suspended matter and sediments. | in preparation |
| F | UNEP/WHO/IAEA: Determination of nitrogen in suspended matter and sediments. | in preparation |
| G | UNEP/WHO/IAEA: Determination of BOD ₅ and COD in estuarine waters. | in preparation |
| I | UNEP/IOC/IAEA: Determination of total cadmium in estuarine waters and suspended matter | in preparation |

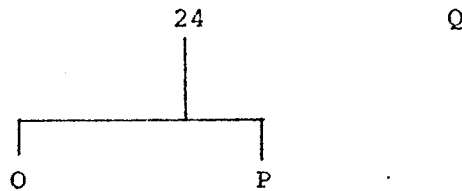


F. Chemical contaminants on beaches

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| No. 15 | UNEP/IOC/IAEA: Monitoring of tar on marine beaches. | draft (E) 25.03.85 |
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G. Atmospheric chemical contaminants

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| No. 24 | UNEP/WMO/IAEA: Sampling of aerosols and wet precipitation for analysis of chemical pollutants. | draft (E) 12.04.85 |
| O | UNEP/IAEA: Determination of selected trace metals in aerosols and in wet precipitation. | in preparation |
| P | UNEP/IAEA: Determination of halogenated hydrocarbons in aerosols and in wet precipitation. | in preparation |
| Q | UNEP/WMO/IAEA: Sampling of dry deposition. | in preparation |



H. Effects on marine organisms and ecosystems

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| No. 25 | SPC/UNEP: Coral reef monitoring handbook. | (E) 27.08.84 |
| A | UNEP: Sampling and identification of common Mediterranean scyphomedusae and evaluation of their occurrence. | in preparation |
| H | UNEP/FAO/IAEA: Acute toxicity tests. | in preparation |
| J | UNEP/FAO/IAEA: Biological non-acute toxicity tests. | in preparation |

I. Standard physical, chemical and meteorological observations

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| K | UNEP/IOC/IAEA: Determination of basic oceanographic and meteorological conditions. | in preparation |
| L | UNEP/IOC/IAEA: Determination of standard physical and chemical parameters. | in preparation |

J. Miscellaneous methods

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| AD | UNEP/WHO/IAEA: Determination of methylmercury, total mercury and selenium in human hair. | in preparation |
| AE | UNEP/WHO/IAEA: Guidelines for monitoring and epidemiological studies on health effects of methylmercury. | in preparation |