ISO 5667-6 :2005-07 (E)

Water quality_- Sampling_- Part_6: Guidance on sampling of rivers and streams

Contents

Page

Foreword ... v

Introduction ... vii

1 Scope ... 1

2 Normative references ... 1

3 Terms and definitions ... 1

4 Design of sampling programme ... 3
4.1 Sampling point selection ... 3
4.2 Frequency and time of sampling ... 5

5 Preparation for sampling ... 6

6 Sampling at specific locations ... 7
6.1 Sampling from bridges ... 7
6.2 In-stream sampling ... 7
6.3 Sampling from the bank side ... 7
6.4 Sampling from craft ... 7
6.5 Sampling under ice ... 7

7 Sampling methods ... 7
7.1 Single, discrete samples ... 7
7.2 Sampling from specific depths ... 8

8 Sampling equipment ... 8
8.1 Single, discrete samples ... 8
8.2 Sampling of surface layers for LNAPL (e.g. oils) or surface films ... 9
8.3 Devices for sampling from specific depths ... 9
8.4 Automatic sampling devices ... 9
8.5 Other sampling equipment ... 10
8.6 Provision of storage for sampling equipment and of samples prior to delivery to the analysing laboratory ... 10

9 Taking the sample ... 10
9.1 Arrival on site ... 10
9.2 Rinsing the equipment ... 10
9.3 Direct sampling ... 11
9.4 Indirect sampling using a sampling vessel ... 11
9.5 Sampling through ice ... 11
9.6 Sampling of surface layers or films ... 11
9.7 Sampling by increments ... 12
9.8 Adding preservatives in the field ... 12
9.9 Labelling ... 12

10 Stabilization, transport and storage of samples ... 12
10.1 Stabilization ... 12
10.2 Transportation ... 12
10.3 Security and traceability of samples during storage and delivery ... 13

11 Quality ... 13
11.1 Avoidance of contamination ... 13
11.2 Sample identification and records ... 14

12 Reports ... 14
12.1 Analytical reports ... 14
12.2 Sampling protocols ... 15

13 Certification/registration/accreditation 15
14 Quality control 15
15 Safety precautions 15
Bibliography 16