

ISO 5667-11:2009-04 (E)

Water quality - Sampling - Part 11: Guidance on sampling of groundwaters

Contents		Page
Foreword		iv
Introduction		vi
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Sampling strategy and programme design	4
4.1	General	4
4.2	Selection of sampling point location	4
4.3	Groundwater parameter selection	7
4.4	Sampling frequency	7
5	Types of monitoring installation and sampling method	8
5.1	General	8
5.2	Unsaturated zone monitoring	8
5.3	Saturated zone	11
6	Sampling procedures	15
6.1	Purging	15
6.2	Trial pits	19
6.3	Sampling of free-phase contaminants (DNAPLs and LNAPLs)	19
6.4	Materials for sampling equipment	19
6.5	Prevention of contamination	20
7	Safety precautions	21
8	Sample identification and records	22
9	Quality assurance/quality control	23
Annex A (informative)	Calculation of sampling frequency using nomogram	24
Annex B (informative)	Example of a report -- Sampling from groundwaters	25
Bibliography		26