

ISO 11504:2017-08 (E)

Soil quality - Assessment of impact from soil contaminated with petroleum hydrocarbons

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	3
5	Relevant fractions and individual compounds	4
5.1	General	4
5.2	Fractions	4
5.3	Individual compounds	5
6	Petroleum hydrocarbons in soil	6
7	Exposure assessment of petroleum hydrocarbons in soil	8
7.1	General	8
7.2	Relevant exposure routes for petroleum hydrocarbons	9
7.3	Exposure assessment methods	9
7.4	Toxicity assessment methods	10
7.5	Relations between oil fractions in different media related to exposure	11
8	Issues related to sampling and investigation	13
8.1	General	13
8.2	Issues related to analysis	13
Annex A (informative) Physico-chemical properties of different petroleum hydrocarbons, etc		15
Annex B (informative) Examples of suggested tolerated concentration in air (TCA) and tolerable daily intake (TDI) values for different specific petroleum hydrocarbons		19
Annex C (informative) Overview of suggested fractionations in different countries		20
Bibliography		22