

Optimized datasets of environmental indicators of the Slovak Republic

GROUNDWATER				SOIL			
<i>element/component/parameter</i>	<i>symbol</i>	<i>unit</i>	<i>mean SR</i>	<i>element/component/parameter</i>	<i>symbol</i>	<i>unit</i>	<i>mean SR</i>
Water reaction	pH		7.33	Aluminium	Al	%	5.90
Total Dissolved Solids	T.D.S.	mg.l ⁻¹	629.75	Arsenic	As	mg.kg ⁻¹	12.45
Chemical oxygen demand	COD_{Mn}	mg.l ⁻¹	2.18	Barium	Ba	mg.kg ⁻¹	392.78
Water hardness	Ca+Mg	mmól.l ⁻¹	3.50	Beryllium	Be	mg.kg ⁻¹	1.39
Sodium	Na	mg.l ⁻¹	20.34	Calcium	Ca	%	1.46
Potassium	K	mg.l ⁻¹	11.10	Cadmium	Cd	mg.kg ⁻¹	0.60
Calcium	Ca	mg.l ⁻¹	93.56	Cobalt	Co	mg.kg ⁻¹	11.77
Magnesium	Mg	mg.l ⁻¹	28.29	Chromium	Cr	mg.kg ⁻¹	87.55
Iron	Fe	mg.l ⁻¹	0.174	Copper	Cu	mg.kg ⁻¹	26.15
Manganese	Mn	mg.l ⁻¹	0.117	Fluorine	F	mg.kg ⁻¹	330.98
Ammonium	NH₄	mg.l ⁻¹	0.099	Iron	Fe	%	2.71
Fluorides	F	mg.l ⁻¹	0.132	Mercury	Hg	mg.kg ⁻¹	0.24
Chlorides	Cl	mg.l ⁻¹	32.96	Potassium	K	%	1.70
Sulphates	SO₄	mg.l ⁻¹	79.32	Magnesium	Mg	%	0,87
Nitrites	NO₂	mg.l ⁻¹	0.112	Manganese	Mn	%	0,078
Nitrates	NO₃	mg.l ⁻¹	38.76	Molybdenum	Mo	mg.kg ⁻¹	0,68
Phosphates	PO₄	mg.l ⁻¹	0.222	Sodium	Na	%	0,85
Bicarbonates	HCO₃	mg.l ⁻¹	303.85	Nickel	Ni	mg.kg ⁻¹	29,29
Silica	SiO₂	mg.l ⁻¹	18.21	Phosphorus	P	%	0,075
Chromium	Cr	mg.l ⁻¹	0.00133	Lead	Pb	mg.kg ⁻¹	29,62
Copper	Cu	mg.l ⁻¹	0.00259	Antimony	Sb	mg.kg ⁻¹	3,69
Zinc	Zn	mg.l ⁻¹	0.26728	Selenium	Se	mg.kg ⁻¹	0,16
Arsenic	As	mg.l ⁻¹	0.00192	Vanadium	V	mg.kg ⁻¹	79,07
Cadmium	Cd	mg.l ⁻¹	0.00102	Zinc	Zn	mg.kg ⁻¹	75,79
Selenium	Se	mg.l ⁻¹	0.00097	Active soil reaction	pH_{H2O}		6,26
Lead	Pb	mg.l ⁻¹	0.00136	Exchange soil reaction	pH_{KCl}		5,52
Mercury	Hg	mg.l ⁻¹	0.00014	Carbonates		%	2,45
Barium	Ba	mg.l ⁻¹	0.07473	Radon	²²² Rn	kBq.m ⁻³	21.70
Aluminium	Al	mg.l ⁻¹	0.02974				
Antimony	Sb	mg.l ⁻¹	0.00094				
Radon	²²² Rn	Bq.l ⁻¹	14.46				
Radium	²²⁶ Ra	Bq.l ⁻¹	0.053				