WATER RESEARCH INSTITUTE
Slovak National Water Reference Laboratory
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SNAS
Reg. No. 059/T-005

Reference values and limits of satisfactory results

MPS-ZPV-4/2016

Parameters at the concentration level of drinking and surface water				
Parameter	Unit	Reference value	LL	UL
Absorbance at 254 nm	-	0,031	0,025	0,037
AOX	µg/l	75,3	52,7	97,9
BrO_3^-	µg/l	28,0	19,6	36,4
BOD_5	mg/l	22,8	16,0	29,7
Ca	mg/l	125	106	144
Ca + Mg	mmol/l	4,11	3,50	4,73
Cl^-	mg/l	122	103	140
ClO_2^-	µg/l	176	123	228
Conductivity (at 20°C)	mS/m	104	89	120
Conductivity (at 25°C)	mS/m	107	91	122
COD_{Cr}	mg/l	38,3	30,7	46,0
COD_{Mn}	mg/l	4,80	3,84	5,76
DOC	mg/l	4,01	3,21	4,81
F^-	mg/l	0,86	0,73	0,99
K	mg/l	4,65	3,95	5,35
$KNK_{4,5}$	mmol/l	5,62	5,06	6,19
Mg	mg/l	24,3	20,7	28,0
Na	mg/l	60,4	51,3	69,4
N_{org}	mg/l	5,1	3,5	6,6
NH_4^+	mg/l	0,122	0,098	0,146
NO_2^-	mg/l	0,088	0,070	0,106
NO_3^- synthetic sample	mg/l	47,7	40,5	54,9
NO_3^- natural sample	mg/l	30,8	26,2	35,5
pH (25°C)	-	7,66	7,41	7,91
Petroleum Hydrocarbons	mg/l	0,21	0,15	0,27
PO_4^{3-}	mg/l	0,165	0,132	0,198
SiO_2	mg/l	3,59	2,87	4,31
SO_4^{2-}	mg/l	70,2	59,7	80,8
TN	mg/l	10,2	8,2	12,3
TOC	mg/l	5,29	4,23	6,35
TP	mg/l	0,328	0,262	0,393
Total Dissolved Solids (at 105°C)	mg/l	693	589	797
Total Dissolved Solids (at 550°C)	mg/l	519	441	597
Total Suspended Solids (at 105°C)	mg/l	56,3	45,0	67,5
LL = lower limit of satisfactory results		UL = upper limit of satisfactory results		

Responsible person: RNDr. Jana Tkáčová. PhD.

Bratislava, 20th May 2016