



National Groundwater Monitoring NAQUA

Federal Office for the Environment FOEN

Volatile organic compounds (VOC) in groundwater

Period of time 2020
Monitoring site Modules TREND and SPEZ
Comments Maximum value per monitoring site

Substances	Monitoring sites [number]		Monitoring sites [%]	
	sampled	Concentration ≥LOQ	Concentration >0,1 µg/l	Concentration >1 µg/l
Volatile halogenated hydrocarbons (VHH)				
1,1,1,2-Tetrachlorethan*	374	-	-	*
1,1,1-Trichlorethan	514	31	14	0,4
1,1,1,2-Tetrachlorethan	514	-	-	-
1,1-Dichlorethan	514	3	1	-
1,1-Dichlorethen	514	3	1	-
1,2,3-Trichlorbenzol	514	1	1	-
1,2,3-Trichlorpropan*	384	1	1	*
1,2,4-Trichlorbenzol*	466	1	1	*
1,2-Dichlorbenzol	514	1	1	0,2
1,2-Dichlorethan	514	2	1	-
1,2-Dichlorpropan	514	1	1	-
1,3,5-Trichlorbenzol*	9	1	1	*
1,3-Dichlorbenzol*	395	1	-	*
1,4-Dichlorbenzol*	395	1	-	*
Bromchlormethan*	374	1	-	*
Brombenzol	514	-	-	-
Bromdichlormethan	514	3	1	-
Brommethan	514	-	-	-
Chlorbenzol	514	1	-	-
Chlorethan*	334	1	-	*
Chlorethen	514	-	-	-
cis-1,2-Dichlorethen	514	4	2	-
Dibromchlormethan	514	3	1	-
Dibrommethan	514	1	1	-
Dichlordifluormethan	514	7	5	0,2
Dichlormethan	514	2	2	-
Hexachlorbutadien	514	1	1	-
Tetrachlorethen	514	78	55	12
Tetrachlormethan	514	3	2	-
Tribrommethan	514	3	2	-
Trichlorethen	513	44	29	-
Trichlorfluormethan	514	11	8	0,2
Trichlormethan	513	40	16	-
VHH, total	514	130	91	15
Monocyclic aromatic hydrocarbons (MAH)				
1,2,4-Trimethylbenzol	514	2	-	-
1,3,5-Trimethylbenzol	514	2	2	-
Benzol	513	6	3	-
Ethylbenzol	514	5	1	-
Isopropylbenzol*	395	1	1	*
m/p-Xylol	514	9	4	-
o-Xylol	514	4	1	-
Styrol	514	-	-	-
Toluol	514	13	6	-
MAH, total	514	17	8	-
Other volatile organic compounds				
1,4-Dioxan*	160	8	4	*
ETBE	513	2	1	-
MTBE	514	19	4	-
TBA*	103	1	-	*
>0,1 µg/l				
Polycyclic aromatic hydrocarbons (PAH)				
2-Methylnaphthalin*	9	1	-	*
Naphthalin	514	2	-	-
PAH, total	514	2	-	-

WPO numerical requirement: 1 µg/l (VHH, MAH); 0,1 (PAH)

LOQ limit of quantitation

* lack of statistical reliable data at the national scale