



Trace analysis arium® comfort

	Detection threshold	Unit	Calculated concentration arium® comfort	Procedure
Elements	Aluminum Al	µg/L (ppb)	Under detection threshold	ICP-MS
	Antimony Sb	µg/L (ppb)	Under detection threshold	ICP-MS
	Arsenic As	µg/L (ppb)	Under detection threshold	ICP-MS
	Barium Ba	µg/L (ppb)	Under detection threshold	ICP-MS
	Beryllium Be	µg/L (ppb)	Under detection threshold	ICP-MS
	Bismuth Bi	µg/L (ppb)	Under detection threshold	ICP-MS
	Boron B	µg/L (ppb)	Under detection threshold	ICP-MS
	Bromide Br ⁻	µg/L (ppb)	Under detection threshold	IC
	Cadmium Cd	µg/L (ppb)	Under detection threshold	ICP-MS
	Chloride Cl ⁻	µg/L (ppb)	Under detection threshold	IC
	Cesium Cs	µg/L (ppb)	Under detection threshold	ICP-MS
	Cerium Ce	µg/L (ppb)	Under detection threshold	ICP-MS
	Chromium Cr	µg/L (ppb)	Under detection threshold	ICP-MS
	Cobalt Co	µg/L (ppb)	Under detection threshold	ICP-MS
	Copper Cu	µg/L (ppb)	Under detection threshold	ICP-MS
	Dysprosium Dy	µg/L (ppb)	Under detection threshold	ICP-MS
	Erbium Er	µg/L (ppb)	Under detection threshold	ICP-MS
	Europium Eu	µg/L (ppb)	Under detection threshold	ICP-MS
	Fluoride F ⁻	µg/L (ppb)	Under detection threshold	IC
	Gadolinium Gd	µg/L (ppb)	Under detection threshold	ICP-MS
	Gallium Ga	µg/L (ppb)	Under detection threshold	ICP-MS
	Germanium Ge	µg/L (ppb)	Under detection threshold	ICP-MS
	Gold Au	µg/L (ppb)	Under detection threshold	ICP-MS
	Hafnium Hf	µg/L (ppb)	Under detection threshold	ICP-MS
	Holmium Ho	µg/L (ppb)	Under detection threshold	ICP-MS
	Indium In	µg/L (ppb)	Under detection threshold	ICP-MS
	Iridium Ir	µg/L (ppb)	Under detection threshold	ICP-MS
	Iron Fe	µg/L (ppb)	Under detection threshold	ICP-MS
	Lanthanum La	µg/L (ppb)	Under detection threshold	ICP-MS
	Lead Pb	µg/L (ppb)	Under detection threshold	ICP-MS
	Lithium Li	µg/L (ppb)	Under detection threshold	ICP-MS
	Lutetium Lu	µg/L (ppb)	Under detection threshold	ICP-MS
	Magnesium Mg	µg/L (ppb)	Under detection threshold	ICP-MS
	Manganese Mn	µg/L (ppb)	Under detection threshold	ICP-MS
	Mercury Hg	µg/L (ppb)	Under detection threshold	ICP-MS
	Molybdenum Mo	µg/L (ppb)	Under detection threshold	ICP-MS
	Neodymium Nd	µg/L (ppb)	Under detection threshold	ICP-MS
	Nickel Ni	µg/L (ppb)	Under detection threshold	ICP-MS
	Niobium Nb	µg/L (ppb)	Under detection threshold	ICP-MS
	Osmium Os	µg/L (ppb)	Under detection threshold	ICP-MS
	Palladium Pd	µg/L (ppb)	Under detection threshold	ICP-MS
	Platinum Pt	µg/L (ppb)	Under detection threshold	ICP-MS
	Potassium K	µg/L (ppb)	Under detection threshold	ICP-MS
	Praseodymium Pr	µg/L (ppb)	Under detection threshold	ICP-MS

Execution and Analysis Procedure

The purified water analysis was executed by ATU GmbH, Analytics for Technology and Environment of the arium® comfort. ATU GmbH is an internationally recognized testing laboratory for the analysis of purified water. The following procedures were used for the analysis: "IC" (Dionex), "GF-AAS" (Dionex, Perkin Elmer), "ICP-MS 7500 cs" (Agilent) and "GC-MS."

		Detection threshold	Unit	Calculated concentration arium® comfort	Procedure
Elements	Rhenium Re	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Rhodium Rh	0.002	µg/L (ppb)	Under detection threshold	ICP-MS
	Rubidium Rb	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Ruthenium Ru	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Samarium Sm	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Scandium Sc	0.002	µg/L (ppb)	Under detection threshold	ICP-MS
	Selenium Se	0.01	µg/L (ppb)	Under detection threshold	ICP-MS
	Silver Ag	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Sodium Na	0.0005	µg/L (ppb)	Under detection threshold	ICP-MS
	Strontium Sr	0.0005	µg/L (ppb)	Under detection threshold	ICP-MS
	Tantalum Ta	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Tellurium Te	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Terbium Tb	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Thallium Tl	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Thorium Th	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Thulium Tm	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Tin Sn	0.002	µg/L (ppb)	Under detection threshold	ICP-MS
	Titanium Ti	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Tungsten W	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Uranium U	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Vanadium V	0.0005	µg/L (ppb)	Under detection threshold	ICP-MS
	Ytterbium Yb	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Yttrium Y	0.001	µg/L (ppb)	Under detection threshold	ICP-MS
	Zirconium Zr	0.002	µg/L (ppb)	Under detection threshold	ICP-MS
Si	Silicon	0.2	µg/L (ppb)	Under detection threshold	GF-AAS
Anorganic Compounds	Ammonium NH ₄ ⁺	0.005	µg/L (ppb)	Under detection threshold	IC
	Trimethylamine TMA	0.005	µg/L (ppb)	Under detection threshold	IC
	Nitrite NO ₂ ⁻	0.005	µg/L (ppb)	Under detection threshold	IC
	Nitrate NO ₃ ⁻	0.005	µg/L (ppb)	Under detection threshold	IC
	Phosphate PO ₄ ³⁻	0.01	µg/L (ppb)	Under detection threshold	IC
	Sulfate SO ₄ ²⁻	0.01	µg/L (ppb)	Under detection threshold	IC
Highly volatile org. Compounds (VOC)	1,1,2-Trichloroethane	1	µg/L (ppb)	Under detection threshold	GC-MS
	Trichloroethene	1	µg/L (ppb)	Under detection threshold	GC-MS
	Tetrachloroethene	1	µg/L (ppb)	Under detection threshold	GC-MS
	Tetrachloromethane	1	µg/L (ppb)	Under detection threshold	GC-MS
	1,2-Dichloroethane	1	µg/L (ppb)	Under detection threshold	GC-MS
	1,1-Dichloroethene	1	µg/L (ppb)	Under detection threshold	GC-MS
	1,2-cis-Dichloroethene	1	µg/L (ppb)	Under detection threshold	GC-MS
	Chloroform	1	µg/L (ppb)	Under detection threshold	GC-MS
	Dichlorobromomethane	1	µg/L (ppb)	Under detection threshold	GC-MS
	Dibromochloromethane	1	µg/L (ppb)	Under detection threshold	GC-MS
	Tribromomethane	1	µg/L (ppb)	Under detection threshold	GC-MS
	Vinyl chloride	1	µg/L (ppb)	Under detection threshold	GC-MS

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