NQAC
Nestlé Quality Assurance Center

Technical Datasheet

Analysis Name: Trace Elements in Drinking Water by ICP-MS

Method Number: EPA 200.8-WI

Scope of Application: This method describes the determination of aluminum, antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, manganese, nickel, mercury, molybdenum, selenium, silver, thallium, thorium, uranium, vanadium and zinc analysis by ICP-MS in drinking water.

Description: Samples are ionized through inductively coupled argon plasma. The ions are extracted from the plasma, separated in the mass spectrometer, and determined using a Dual Stage SEM/Analog detector system.

Sample Weight Required: 500mL

Method Reference: EPA 200.8, Note NQAC Dublin is not EPA certified.

Analytical Platform: ICP-MS

Special information: Indicate each element and heavy metal required. Additional sample preparation charges may apply.

Analyte Reported	Alias	Quantitation Limit
Aluminum	Al	0.01mg/L
Antimony	Sb	0.001mg/L
Arsenic	As	0.001mg/L
Barium	Ba	0.002mg/L
Beryllium	Be	0.001mg/L
Cadmium	Cd	0.001mg/L
Chromium	Cr	0.002mg/L
Cobalt	Co	0.001mg/L
Copper	Cu	0.05mg/L
Lead	Pb	0.001mg/L
Manganese	Mn	0.003mg/L
Mercury	Hg	0.001mg/L
Molybdenum	Mo	0.005mg/L
Nickel	Ni	0.001mg/L

Selenium	Se	0.005mg/L
Silver	Ag	0.01mg/L
Thallium	Tl	0.001mg/L
Thorium	Th	0.001mg/L
Uranium	U	0.001mg/L
Vanadium	V	0.001mg/L
Zinc	Zn	0.01mg/L