



# WATER TESTING

## Industrial Services

Water is critical in the processing, washing, diluting, cooling, and transportation of most manufactured products. According to the Water Resources Group, the rapidly increasing water demand is expected to exceed the current supply by 40% by 2030. Industry realizes that water-wasting production methods jeopardize long-range operation plans and production costs.

We offer a wide range of water testing from pre-production to the final stages of your production and manufacturing process.

### Inorganics

Drinking Water	Method	Technique	Analyte
Determination of Inorganic Anions	EPA 300.0	IC	Bromide, Chloride, Fluoride, Nitrate, Nitrite, Orthophosphate as P, Sulfate (as SO <sub>4</sub> )
			Bromide, Chloride, Fluoride, Nitrate, Orthophosphate as P, Sulfate (as SO <sub>4</sub> )
Total Dissolved Solids	SM 2540C	Grav.	TDS
Determination of Trace Elements and Metals in Drinking Water	EPA 200.7 / 200.8	ICP-AES	Ca, Mg, K, Na (200.7), Al, Ba, Be, Cd, Cr, Cu, Fe, Mn, Ni, Ag, Zn, B, Sb, As, Pb, Hg, Se, Si, Tl, V (200.8)
Hardness (calc.)	EPA 200.7	ICP-AES	
Mercury in Water	EPA 245.1	CVAA	
Asbestos in Water	EPA 100.0 / 100.2	TEM	

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## Inorganics

Waste Water	Method	Technique	Analyte
Conductivity	EPA 120.1 / SM 2510B	Conductivity Meter	Conductivity
Determination of Trace Elements and Metals in Waste Water	EPA 200.7 / 200.8	ICP-AES	B, Ca, Mg, K, Si, Na (200.7), Al, Sb, As, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Mn, Ni, Se, Ag, Tl, V, Zn, Hg, Mo, Se, Si, Sn, Ti, U (200.8)
Hardness (calc.)	EPA 200.7	ICP-AES	
Determination of Inorganic Anions	EPA 300.0	IC	Bromide, Chloride, Fluoride, Nitrate, Nitrite, Orthophosphate as P, Sulfate
			Bromide, Chloride, Fluoride, Nitrate, Orthophosphate as P, Sulfate
Turbidity	SM 2130B / EPA 180.1	Turbidimeter	
Residue, Total (TS)	SM 2540B		
Residue, Filterable (TDS)	SM 2540C		
Residue, Non-Filterable (TSS)	SM 2540D		
pH	SM 4500-H+B / EPA 9045		
Mercury in Water	EPA 245.1 / 7470A / 7471A	CVAA	Hg
Chromium (VI)	EPA 7199	IC	Cr
Trace Elements in Waste Water	EPA 6010	ICP-AES	Al, Sb, As, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Mo, Ni, K, Se, Si, Ag, Na, Sr, Tl, Sn, Ti, V, Zn
Corrosivity - pH determination	EPA 9045C	pH	
Determination of Inorganic Anions in Waste Water	EPA 9056	IC	Bromide, Chloride, Fluoride, Nitrate, Nitrite, Orthophosphate as P, Sulfate

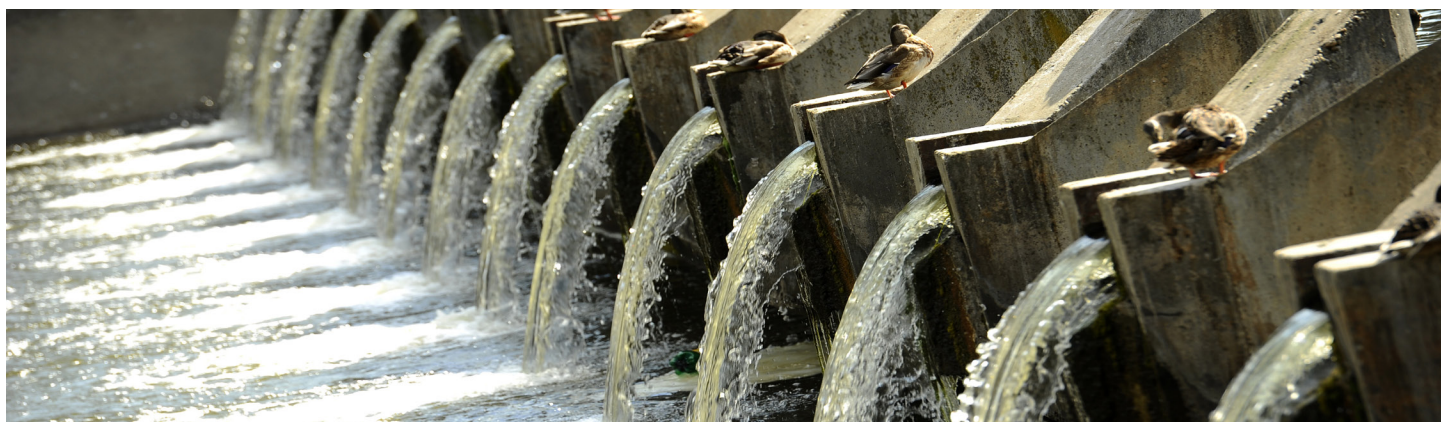
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## Organics

Potable and Non-Potable Water	Method	Technique
Volatile Aromatics	EPA 524.2	GC-MS
Volatile Halocarbons	EPA 524.2	GC-MS
Fuel Oxygenates	EPA 8260C	GC-MS
Polychlorinated Biphenyls	EPA 608 / 8082A	GC-ECD
Polynuclear Aromatics	EPA 625 / 8270D	GC-MS
Purgeable Aromatics	EPA 624 / 8260C	GC-MS
Purgeable Halocarbons	EPA 624 / 8260C	GC-MS
Purgeable Organics	EPA 8260C	GC-MS
Volatile Chlorinated Organics	EPA 8260C	GC-MS
Chlorinated Phenolics	EPA 8270D	GC/MS
Polynuclear Aromatics - Low Level	EPA 625 / 8270D	GC/MS
Chlorinated Pesticides	EPA 8270D / 8081B	GC/MS / GC/ECD



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