

# Environment Product Offering



## Analytical End-Use: Environmental Contaminants Analysis

### Analytical techniques used

Spectroscopy		Chromatography			Combustion	Wet chemistry	Physical testing	PCR	Other
ICP-MS	AA	LCMS MS	GCMS/ GCMSMS	Ion Chromatography		Tests for water			HRMS

### LGC's relevant standards products

#### **GCMS and LCMS Standards:**

- Amino- and nitroaromatics / explosives
- Azodye metabolites
- Chloroparaffins\*
- Chlorostyrenes
- Diphenoquinones and dihydroxybiphenyls
- Dioxins and Furans\*
- Haloacetic Acids (HAAs)
- Hydrocarbons and petrochemicals\*
- Odour compounds
- Organotin compounds
- Pesticide mixes
- Pesticides: optically active enantiomers
- Pharmaceutical and veterinary compounds
- Pharmaceuticals listed as Persistent Organic Pollutants (POPs)
- Veterinary compounds

- Phenol and aromatic compound mixes\*
- Polybrominated diphenyl ethers (PBDEs)
- Polybrominated biphenyls (PBBs)
- Polychlorinated biphenyls (PCBs)
- Polychlorinated terphenyls (PCTs)
- Polycyclic aromatic hydrocarbons (PAHs)
- Stable isotopes
- Toxaphene single components\*
- US EPA methods: standards and mixes
- Volatile halocarbons (VOCs)\*

#### **Ion Chromatography standards:**

- Anion/cation aqueous standards
- Eluent solutions

#### **ICP-MS and AA:**

- A+ Single-Element
- Speciation
- Isotopic

- AA Standards

#### **Wet chemistry – Tests for water:**

- Biochemical Oxygen Demand (BOD)
- Chemical Oxygen Demand (COD)
- Boron
- Conductivity
- Cyanide
- Total Kjeldahl Nitrogen (TKN)
- Total Organic Carbon (TOC)

#### **Matrix reference materials:**

- Water, sediments and soils
- Standard tests for Water analysis including:
- Biochemical Oxygen Demand (BOD)
- Chemical Oxygen Demand (COD)
- Boron
- Conductivity
- Total Kjeldahl Nitrogen (TKN)
- Total Organic Carbon



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