

## What's New

These Lachat methods were introduced since the last Lachat Method's List, from March 2009 to September 2009. For more information on any of these methods, please contact Lachat Technical Support.

Method Number	Analyte	Range	Comments
<b>Ultra Low Flow Methods</b>			
80-107-06-1-A ^	Ammonia	0.25 – 20 mg N/L 0.1 - 5.0 mg N/L 0.25 – 20 mg N/L	Phenolate method; must be run alone or with other ULF methods
80-107-06-1-B ^	Ammonia	0.1 - 5.0 mg N/L 0.25 – 20 mg N/L	Preserved samples; must be run alone or with other ULF methods
80-107-06-1-C ^	Ammonia	0.01 - 1.0 mg N/L	Low range, preserved samples; must be run alone or with other ULF methods
80-117-07-1-A ^	Chloride	0.25 – 20 mg Cl <sup>-</sup> /L 2.5 – 100 mg Cl <sup>-</sup> /L 6 – 300 mg Cl <sup>-</sup> /L	Must be run alone or with other ULF methods
80-204-00-1-A ^	Cyanide	0.005 - 0.5 mg CN <sup>-</sup> /L	Must be run alone or with other ULF methods
80-204-00-1-X ^	Cyanide	0.005 - 0.5 mg CN <sup>-</sup> /L	For cyanide distillates using MICRODIST®. Must be run alone or with other ULF methods
80-107-04-1-A ^	Nitrate + Nitrite	0.001 - 0.10 mg N/L 0.01 - 1.0 mg N/L 0.10 - 10.0 mg N/L	Must be run alone or with other ULF methods
80-107-05-1-A ^	Nitrite	0.01 - 1.0 mg N/L 0.1 - 10.0 mg N/L	Must be run alone or with other ULF methods
80-115-01-1-A ^	Orthophosphate	0.05 - 2.0 mg P/L 0.25 - 10.0 mg P/L	Must be run alone or with other ULF methods

### UV Nitrate Reduction – AVAILABLE SOON (*contact Lachat Sales for more information*)

10-107-04-6-A	Nitrate + Nitrite	0.02 – 20 mg N/L	UV Reduction of Nitrate in waters; PATENT PENDING
12-107-04-6-A	Nitrate + Nitrite	0.2 – 20 mg N/L	UV Reduction of Nitrate in soil extracts; PATENT PENDING
31-107-04-6-A	Nitrate + Nitrite	0.05 - 5.0 mg N/L 0.2 – 20 mg N/L	UV Reduction of Nitrate in seawater/brackish waters; PATENT PENDING

### Water & Wastewater

10-107-05-1-E	Nitrite	0.05 – 5.0 mg N/L 0.2 – 20 mg N/L	Nitrite companion method for new UV Nitrate reduction
10-107-06-6-D	Kjeldahl Nitrogen	0.5 – 20 mg N/L	Inline distillation for copper kjeldahl nitrogen digests

# USEPA Accepted Methods

^ USEPA Equivalent Methods

\* Methods with External Quality Standards

## Water & Wastewater

10-117-07-1-K ^	Chloride	1.0 – 150 mg Cl <sup>-</sup> /L	Ultra High Throughput method (>120 samples per hour)
10-204-00-1-I	Cyanide	2 – 100 µg CN <sup>-</sup> /L	ISO method for inline cyanide; pyridine free
10-204-00-1-WX	Cyanide	5 – 500 µg CN <sup>-</sup> /L	WAD CN for MICRODIST® distillation
10-204-00-5-C	Cyanide	2.0 – 400 µg CN <sup>-</sup> /L	Free CN w/ amperometric detection
10-204-00-5-WX	Cyanide	5 – 400 µg CN <sup>-</sup> /L	WAD cyanide for MICRODIST® distillation w/ amperometric detection

## Seawater & Brackish Waters

31-107-04-1-I	Nitrate + Nitrite	5 – 500 mg N/L	Ultra high range method; uses inline dialysis for dilution
31-124-13-1-A	Chromium	2 – 200 µg Cr(VI)/L	Hexavalent only

## Ion Chromatography

10-136-09-1-B	Iodide	0.50 – 5.0 mg I/L	Iodide by Ion Chromatography
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## Aqueous Formations

18-107-06-1-A	Nitrate + Nitrite	0.125 – 10 mM N/L	Phenolate method in Rumen fluid
18-107-06-5-A	Ammonia	0.1 – 10 mg N/L	Gas diffusion method for Ammonia in diluted HNO <sub>3</sub> solutions

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