



**Labcare**  
de Colombia



# AGLAE 2024

## PROFICIENCY TESTING SCHEME CATALOGUE

### ENVIRONMENT - COSMETICS



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## Content

<b>Compliance of AGLAE's tests with approvals</b>	<b>3</b>
<b>New in 2024 – environmental and cosmetics fields</b>	<b>4</b>
<b>Programmes in the environmental and cosmetics fields</b>	<b>5 - 7</b>
<b>Participate in AGLAE's External Quality Control</b>	<b>8</b>
<b>Additional services</b>	<b>9</b>
<b>Programmes' description: content, caption, glossary of the matrices</b>	<b>10 - 12</b>
<b>Technical description of the programmes, their price</b>	<b>13 - 171</b>
Sampling and <i>in situ</i> measurements	13 - 18
Base parameters and indicators in waters	19 - 44
<i>Fresh waters and drinking waters</i>	20 - 29
<i>Atypical mineral waters</i>	30 - 34
<i>Swimming pool waters</i>	35 - 36
<i>Saline waters</i>	37 - 38
<i>Waste waters</i>	39 - 44
Metals in waters	45 - 53
<i>Fresh waters</i>	46 - 48
<i>Waste waters</i>	48 - 49
<i>Saline waters</i>	50
<i>Atypical and non-atypical mineral waters</i>	51 - 53
Indexes in waters	54 - 58
Organic pollutants	59 - 123
<i>Fresh waters</i>	60 - 94
<i>Other types of waters</i>	95 - 97
<i>Waste waters</i>	98 - 123
Solid matrices	124 - 139
Biology and ecotoxicology	140 - 144
Microbiology in waters	145 - 160
Waters intended for medical use	161 - 167
Cosmetics	168 - 171
<b>General conditions of registration for the proficiency tests</b>	<b>172 - 173</b>

*Should there be any differences between the French and English versions of this document, the French version shall prevail.*



## Compliance of AGLAE's tests with approvals

A.G.L.A.E. is concerned with the compliance of its tests regarding:



- the approval delivered by the Ministry in charge of Health issues to carry out sampling and analyses intended for water quality control (French Order of 30 December 2022).



- the approval delivered by the Ministry in charge of Environmental issues to carry out analyses in the field of water and aquatic medium (French Order of 26 June 2023, completed by the current notice on the limits of quantification for 'parameter-matrix' pairs).

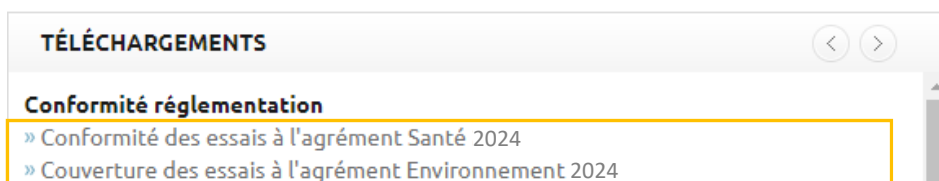
In particular, in order to meet these requirements, **at least one test per scheme for the relevant « parameters-matrices » concerned by this Order, will have a concentration less than 15 times the set quantification limit** when it is possible to maintain at the same time the quality of the test.



### Which tests should you register for to meet French approvals' requirements?

Check the documents relating to the conformity of our tests of your member area on [www.association-aglae.fr](http://www.association-aglae.fr).

From the **French home page**, select « Téléchargements / Conformité réglementation »:



*For non-members, these documents can be sent on request.*



## New in 2024 - environmental and cosmetics fields

### New programmes in the catalogue

#### Solid matrices

- ✓ 47 Grain size distribution in solid matrices (*sediments and soils*)
- ✓ 51B Chemical analyses and metals in waste (leaching) - 'LAGA/DEPV' (conducted every two years)

#### Metals in waters

- ✓ 3G Additional metals in fresh waters

#### Base parameters and indicators in waters

- ✓ 2G Dry residue in waste waters

#### Organic pollutants

- ✓ 5E Chelating agents in fresh waters
- ✓ 59B AOF in waste waters

#### Cosmetics

- ✓ 111 Aerobic mesophilic bacteria and yeast/mould in cosmetics
- ✓ 112 Specified microorganisms in cosmetics

#### Water for medical use

- ✓ 86A Non-tuberculous mycobacteria in waters for medical use

#### Sampling and *in situ* measurements

- ✓ 101D Sampling using automatic sampler in treatment plant - Creuse

### Modifications of programmes

(introduced in programmes existing in 2023)

#### Base parameters and indicators in waters

- ✓ 1A and 1Ab: colour and turbidity removed and added to the programme 1D
- ✓ 1A and 1Ab: REDOX potential removed
- ✓ 1H: permanganate index added

#### Waste

- ✓ 51: Cr<sup>+6</sup> and Hg removed
- ✓ 9: grain size distribution removed but creation of a specific programme 47 with grain size analysis in sediment and soil

#### Organic micropollutants in waste waters

- ✓ 24C: alpha-HBCDD, beta-HBCDD and gamma-HBCDD removed in waste waters

#### Perfluorinated compounds

- ✓ 59: sum of the 20 PFAS added in fresh waters
- ✓ 59A: 15 PFAS added in waste waters to comply with French regulation on emissions from industrial activities likely to release these substances

#### Pharmaceuticals in fresh waters

- ✓ 57: 17-beta-estradiol added

### Specific points

#### Alternative methods in environmental microbiology

- ✓ In addition to the assessment all methods together, an assessment per methodological group will be systematically carried out for programmes 11, 30, 31 and 32.

#### Solid matrices (sediments, sludge, soil, waste)

The quantity of materials is limited.  
Therefore, registrations are possible within the limits of available samples.

46: VOCs provided in **soil** in 2024

In general, if you have access to polluted solid matrices (particularly waste), please contact us at [contact@association-aglae.fr](mailto:contact@association-aglae.fr)

Due to technical constraints linked to the supply of contaminated waste:

- ✓ **51 Chemical analyses and metals in waste (leaching):** design of the test modified with 1 measurement per parameter and per bottle.
- ✓ **51C PAHs in bituminous waste:** test conducted every two years as mentioned in the 2023 catalogue. It is not provided in 2024 but will be in 2025.

### Programmes removed

Due to a lack of participants, we have decided not to provide the following programmes:

- ✓ 94 PAHs and organochlorine pesticides in sparkling waters
- ✓ 120 Solid Fuel Products

Find the programmes related to Medical Biology in the second catalogue of AGLAE's tests



## PTS in the Environmental field – chemistry and sampling

⇒ [Click on the programme's title to read its description](#)

Sampling and <i>in situ</i> measurements	page
<b>100A-C</b> <i>In situ</i> measurements and sampling in different types of waters - Nord - Rhône	14
<b>101A-C</b> Sampling using automatic samplers in treatment plant - Nord - Rhône	15
<b>100D</b> <i>In situ</i> measurements and sampling in different types of waters - Creuse	16
<b>101D</b> Sampling using automatic samplers in treatment plant - Creuse <b>New</b>	17
<b>102D</b> Flowmetry - Creuse	18

Base parameters and indicators in waters	
Fresh waters and drinking waters	page
<b>1A</b> Chemical analyses in fresh waters	20
<b>1Ab</b> Chemical analyses in fresh waters at low concentration levels	21
<b>1B</b> Indicators in fresh waters	22
<b>1C</b> Chlorophyll a and pheopigments index in fresh waters	23
<b>1D</b> Field parameters in fresh waters	24
<b>1E</b> Dissolved oxygen in fresh waters	26
<b>1G</b> Dry residue in fresh waters	27
<b>50</b> Perchlorates and disinfection by-products in fresh waters	28
<b>91</b> Odour and flavour in waters intended for human consumption	29
Atypical mineral waters	page
<b>50B</b> Disinfection by-products in highly mineralised mineral waters	30
<b>90</b> Chemical analyses in sparkling waters	31
<b>90A</b> Chemical analyses in highly mineralised mineral waters	32
<b>90B</b> Dissolved CO <sub>2</sub> in sparkling waters	33
<b>93</b> Dry residue in atypical natural mineral waters	34
Swimming pool waters	page
<b>1H</b> Field parameters and indicators in swimming pool waters	35
<b>50A</b> Disinfection by-products in swimming pool waters	36
Saline waters	page
<b>6</b> Chemical analyses in saline waters	37
<b>6A</b> Dissolved oxygen in saline waters	38

Base parameters and indicators in waters (continued)	
Waste waters	page
<b>2A</b> Chemical analyses in waste waters	39
<b>2B</b> Indicators in waste waters	40
<b>2C</b> Indicators in waste waters at low concentration levels	41
<b>2D</b> Field parameters in waste waters	42
<b>2F</b> ST-COD at low contents in waste waters	43
<b>2G</b> Dry residue in waste waters <b>New</b>	44

Metals in waters	
Fresh waters	page
<b>3A</b> Metals in fresh waters	46
<b>3G</b> Additional metals in fresh waters <b>New</b>	47
<b>3D</b> Cr <sup>6+</sup> in waters	48
Waste waters	page
<b>3B</b> Metals in waste waters	49
<b>3D</b> Cr <sup>6+</sup> in waters	48
Saline waters	page
<b>7</b> Metals in saline waters	50
Atypical and non-atypical mineral waters	page
<b>3C</b> Metals in non-atypical natural mineral waters	51
<b>3E</b> Metals in sparkling waters	52
<b>3F</b> Metals in highly mineralised mineral waters	53

Indexes in waters	
	page
<b>5A</b> Global indexes in fresh waters	55
<b>5B</b> Global indexes in waste waters	56
<b>5C</b> Total hydrocarbons index in waters	57
<b>5D</b> Volatile hydrocarbons index in waters	58



Organic pollutants*	
Fresh waters	page
<b>4C</b> Volatile organohalogens and benzene derivatives in fresh waters	60
<b>4Cb</b> Volatile organohalogens and benzene derivatives in fresh waters at low concentration levels	62
<b>5E</b> Chelating agents in fresh waters <b>New</b>	64
<b>20A</b> Chlorophenols in fresh waters	65
<b>21A</b> Alkylphenols in fresh waters	66
<b>22A</b> Chloroanilines in fresh waters	67
<b>23A</b> Organotin compounds in fresh waters	68
<b>24A</b> Brominated Diphenyl Ethers in fresh waters	69
<b>24C</b> HBCDD in fresh waters and HBCDD, HBB in waste waters	70
<b>25A</b> Biphenyl in fresh waters	71
<b>26A</b> Phthalates in fresh waters	72
<b>27A</b> C10-C13 chloroalkanes (SCCPs) in fresh waters	73
<b>28A</b> Haloacetic acids in fresh waters	74
<b>29A</b> Epichlorohydrin in fresh waters	75
<b>52</b> AOX in waters	76
<b>54</b> Toxins of cyanobacteria in fresh waters	77
<b>55</b> Glyphosate, AMPA and other herbicides in fresh waters	78
<b>57</b> Pharmaceuticals in fresh waters	79
<b>58</b> Bisphenol A and S in fresh waters	81
<b>59</b> Perfluorinated compounds in fresh waters	82
<b>64</b> PAHs and PCBs in fresh waters	84
<b>65A</b> Pesticides and degradation residues - List 1 - in fresh waters	85
<b>65B</b> Pesticides and degradation residues – List 2 - in fresh waters	86
<b>65C</b> Pesticides and degradation residues - List 3 - in fresh waters	87
<b>65D</b> Pesticides and degradation residues - List 4 - in fresh waters	88
<b>65E</b> Parabens in fresh waters	89
<b>65F</b> Pesticides and degradation residues - List 5 - in fresh waters	90
<b>65G</b> Pesticides and degradation residues - List 6 - in fresh waters	92
<b>67</b> Acrylamide in fresh waters	93
<b>69</b> Metabolites of chloroacetamides in fresh waters	94
<b>Swimming pool waters</b>	page
<b>66</b> THMs in swimming pool waters	95
<b>Atypical and non-atypical mineral waters</b>	page
<b>92</b> BTEX and VOC in atypical and non-atypical natural mineral waters	96

Organic pollutants*	
Waste waters	page
<b>4E</b> Volatile organohalogens and benzene derivatives in waste waters	98
<b>4Eb</b> Volatile organohalogens and benzene derivatives in waste waters at low concentration levels	100
<b>4F</b> Methanol in waste waters	102
<b>20B</b> Chlorophenols in waste waters	103
<b>21B</b> Alkylphenols in waste waters	104
<b>22B</b> Chloroanilines in waste waters	105
<b>23B</b> Organo-tin compounds in waste waters	106
<b>24B</b> Brominated Diphenyl Ethers in waste waters	107
<b>24C</b> HBCDD in fresh waters and HBCDD, HBB in waste waters	108
<b>25B</b> Biphenyl in waste waters	109
<b>26B</b> DEHP in waste waters	110
<b>27B</b> C10-C13 chloroalkanes (SCCPs) in waste waters	111
<b>28B</b> Chloroacetic acid in waste waters	112
<b>29B</b> Epichlorohydrin in waste waters	113
<b>52</b> AOX in waters	114
<b>55A</b> Glyphosate, AMPA and aminotriazole in waste waters	115
<b>59A</b> Perfluorinated compounds in waste waters	116
<b>59B</b> AOF in waste waters <b>New</b>	118
<b>71</b> PAHs and PCBs in waste waters	119
<b>72A</b> Pesticides and degradation residues - List 1 - in waste waters	120
<b>72B</b> Pesticides and degradation residues - List 2 - in waste waters	122
<b>73</b> Alkylphenol ethoxylates in waste waters	123
Solid matrices	
	page
<b>9</b> Chemical analyses and metals in sediments	125
<b>10</b> Organic micropollutants in sediments*	126
<b>40</b> Chemical analyses and metals in recoverable sewage sludges	128
<b>41</b> Organic micropollutants in recoverable sewage sludges*	130
<b>43</b> Chemical analyses and metals in contaminated sites and soils	132
<b>44</b> Organic micropollutants in contaminated sites and soils*	133
<b>46</b> Volatile Organic Compounds in solid matrices	135
<b>47</b> Grain size distribution in solid matrices <b>New</b>	136
<b>51</b> Chemical analyses and metals in waste (leaching)	137
<b>51A</b> Cyanides and phenol index in waste (leaching)	138
<b>51B</b> Chemical analyses and metals in waste (leaching) - 'LAGA/ DepV'	139



## PTS in the Environmental field – biology, ecotoxicology, endotoxins and cosmetics

⇒ [Click on the programme's title to read its description](#)

Biology and ecotoxicology	page
<b>12</b> Macroinvertebrates of running waters	141
<b>13</b> Ecotoxicology	142
<b>16</b> Biological Diatom Index	143
<b>34</b> Protozoans in fresh waters	144

Water microbiology	page
<b>11</b> Microbial indicators of faecal contamination by MPN method	146
<b>30</b> Microbiology in clean waters	147
<b>30A</b> Spores of sulfite-reducing anaerobes in fresh surface waters and waste waters	149
<b>31</b> <i>Pseudomonas aeruginosa</i> and pathogenic staphylococci in clean waters	150
<b>31A</b> Pathogenic staphylococci in saline waters	152
<b>32</b> <i>Legionella</i> and <i>Legionella pneumophila</i> in clean waters by culture	153
<b>33</b> <i>Legionella</i> and <i>Legionella pneumophila</i> in waste waters by culture	154
<b>35</b> <i>Legionella</i> and <i>Legionella pneumophila</i> in clean waters by PCR	155
<b>36</b> <i>Legionella</i> and <i>Legionella pneumophila</i> in waste waters by PCR	156
<b>37</b> <i>Salmonella</i> in fresh waters	157
<b>38</b> Yeasts in clean waters	158
<b>38A</b> Mould in clean waters	159
<b>130</b> Bacteriophages in waters	160

Waters for medical use	page
<b>82</b> Endotoxins in waters as described in the pharmacopoeia	162
<b>83A</b> Microbiology in waters similar to dialysate	163
<b>83B</b> Microbiology in waters similar to endoscope verification solutions	164
<b>86</b> Indicator germs by filtration in bacteriologically controlled waters	165
<b>86A</b> Non-tuberculous mycobacteria in waters for medical use <b>New</b>	166
<b>86B</b> Indicator germs in waters similar to pharmaceutical process waters	167

Cosmetics	page
<b>110</b> Challenge test in cosmetics	169
<b>111</b> Aerobic mesophilic bacteria and yeast/mould in cosmetics <b>New</b>	170
<b>112</b> Specified microorganisms in cosmetics <b>New</b>	171

*Conduct of the programmes subject to a sufficient number of participants*

English version of the test documents provided for almost all the tests

**In red:** modifications compared to the 2023 scheme

**\* In which tests are provided the various organic micropollutants?**

A document enables you to search by name and/or CAS code and find out in which programme(s) and matrix(es) they are provided.

This index is available in your Members Area, in the "Downloads / Catalogues" section.





## Participate in AGLAE's External Quality Control



A WAY OF WORKING THAT PROVIDES YOU WITH THE HIGHEST STANDARD OF RESULTS WITH CONFIDENTIALITY AND IMPARTIALITY

Each step of the way, AGLAE is there supporting you.

REGISTRATIONS FOR PROFICIENCY TESTING ARE DONE KNOWING THE WHOLE PROCESS, WITH A DETAILED AND RIGOROUS SCHEDULE



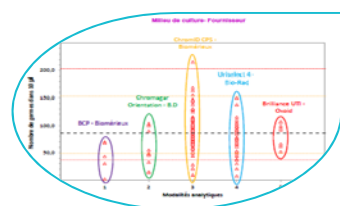
- ✓ The number of evaluations per year for each parameter is specified in the catalogue, concentration levels and stabilisation are available on request.
- ✓ AGLAE uses "express" shipments for your samples and makes sure of their distribution to your laboratory.
- ✓ A sufficient delay to analyse and the report the results.
- ✓ Via your member area, **enter your results and find instructions, assigned codes, reports, summaries of your results, certificate of participation...**

### THE OPTIMISATION OF RISK MANAGEMENT FOR YOUR LABORATORY



You have a better visibility of potential anomalies through:

- ✓ An appropriate test design (duplicate samples, repeated measurements),
- ✓ A large number of participants: around 200 laboratories in the field of 'base' microbiology and 'base' physico-chemical analyses.



AGLAE's detailed study:

- ✓ Influence of the analytical methods, manufacturers (equipment and consumables)... factors that we study to help you improve the quality of your analyses,
- ✓ For waters intended for medical use and water microbiology, estimation of your own uncertainties in microbiology,
- ✓ Check of your uncertainty estimates in chemistry (zeta-score),
- ✓ A report validated by experts of the field and personalised for most tests.

### ATTRACTIVE DISCOUNTS, PAYMENT CONDITIONS MADE EASIER

- Choose among the various programmes and benefit from discounts up to 15%,
- A possible payment in 2 or 3 folds depending on the amount your participation.
- Payment possible by cheque (in €), bank transfer, credit card on <https://www.helloasso.com/associations/a-g-l-a-e/paiements/aglae>

Amount of your invoice (excluding transport cost)	Discount
3000 ≤ Amount < 6000 € excl. VAT	<b>5%</b>
6000 ≤ Amount < 9000 € excl. VAT	<b>10%</b>
Amount ≥ 9000 € excl. VAT	<b>15%</b>





## Additional services



### ADDITIONAL TEST SAMPLES TO TEST ANOTHER METHOD, EVALUATE A TECHNICIAN

- ✓ Test samples available for almost all the tests at half price.
- ✓ Besides your usual distribution, you receive one (or several) additional parcel(s).
- ✓ The results of these samples are not statistically processed by AGLAE but for most tests you get a sheet **in your results file** where to **calculate your z-score**. Note that this sheet can also be used in case of unit error, incorrect results' report, etc.

⇒ Check the **list of samples and their price on your Member Area** (Downloads / Catalogues) and contact us to receive a quote. These additional samples need to be ordered after you registration for the test and before the shipment.



### QUALITY CONTROL MATERIALS FOR YOUR MONITORING AND IMPROVEMENT OF YOUR ANALYTICAL PERFORMANCE

- ✓ Materials coming from the **solid matrices tests: sediments, sludge, polluted sites and soils**.
- ✓ Purchased at any time during the year and delivered with a certificate presenting the precision values obtained during the test (assigned value and uncertainties).

⇒ Check the **list of materials, prices and available quantities on your Member Area** (Downloads / Catalogues) and contact us to receive a quote.

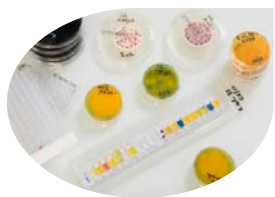


### TRAINING SESSIONS IN MICROBIOLOGY: ONE TOPIC POSSIBLY PROVIDED IN ENGLISH

Two-day on-line session to become operational for:

- ✓ Characterising a microbiological method according to ISO 13843 in order to validate it

⇒ Should you be interested in such a session, please get back to us.



### CUSTOMIZED SERVICE: 'PERFORMANCE CHARACTERISTICS OF MICROBIOLOGICAL METHODS'

Do you need to characterise specific methods?

AGLAE can provide you support to establish methods performance characteristics, in conformity with ISO 13843\*. Benefit from AGLAE's technical and statistical experience to validate your microbiological method.

\* *Water quality — Requirements for establishing performance characteristics of quantitative microbiological methods*

⇒ Should you have such needs, contact us to study your request together and issue a quote.



### SUMMARY OF YOUR RESULTS FOR WATER MICROBIOLOGY AND WATER FOR MEDICAL USE TESTS

Gather at any time your results and performance: for a selected period, your results are grouped in an Excel file; this is a tool to support you in your Internal Quality Control, your audits...



## Programmes' description

### Content

For each programme's description, you will find the technical content of the test : volumes, parameters, matrices, dispatch month...

The concentration levels and stabilisation modalities of the samples are available on request.

*The samples' dispatch months are given for information only.*

**Transport costs depend on the destination and tests selected within the programmes; contact us to get a quote.**

Our aim is to prepare materials as close as possible to the samples analysed in routine: the contamination levels can therefore be very low or very high.

➔ **Our concentration levels are available on request.**

### Caption



This logo shows that the programme is accredited by LABORATORIES section in compliance with ISO/IEC 17043.



## Glossary of the matrices used

Name of the matrix for water chemistry		Below the matrices that can be used, alone or mixed, to comply with the representativity of the specified matrix				
		public drinking waters	bottled waters	reverse osmosis waters	deionised waters	surface waters
<b>Natural mineral waters</b>						
<b>Non-atypical*</b>			<b>x</b> flat (dry residue at 180°C<1500 mg/L)			
<b>Atypical</b>	<b>carbo-gaseous</b>		<b>x</b> gaseous (CO <sub>2</sub> >250 mg/L)	<b>x</b> regasified (CO <sub>2</sub> >250 mg/L)		
	<b>highly mineralised</b>		<b>x</b> plates (dry residue at 180°C<1500 mg/L)			
<b>Fresh waters</b>						
<b>Non-atypical natural mineral waters*</b>			<b>x</b> flat (dry residue at 180°C<1500 mg/L)			
<b>Natural waters</b>						<b>x</b>
<b>Clean waters</b>		<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	<b>x (clear)</b>

For more information on atypical waters, check the following document: [ANSES/LHN/REF-CSE - Version 3](#) (in French)

*\* For some parameters in non-atypical natural mineral waters, specific programmes exist (3C, 92) with concentration levels different from those in fresh waters.*

Name of the matrix for water chemistry		Below the matrices that can be used, alone or mixed, to comply with the representativity of the specified matrix			
		Waste waters from urban WWTP	Swimming pool waters	Estuary water, costal water	Synthetic waters
<b>Swimming pool waters</b>			<b>x</b>		
<b>Waste waters</b>		<b>x</b>			<b>x</b>
<b>Saline and brackish waters</b>				<b>x</b>	<b>x</b>

WWTP: Waste Water Treatment Plant



Name of the matrix for environmental biology	Below the matrices that can be used, alone or mixed, to comply with the representativity of the specified matrix									
	public drinking waters	bottled waters	waters from rivers or lakes	water from well or drill	waste waters from urban WWTP	sea water	domestic hot waters	water from industrial origin	swimming pool waters	Synthetic waters
Bathing freshwaters			x							
Bathing saline waters						x				
Saline waters						x				x
Surface waters Fresh waters			x							x
Clean waters	x	x		x			x		x	
Waste waters					x					x
Waste waters (for Legionella tests)			x non-filterable					x		x

WWTP: Waste Water Treatment Plant

Name of the matrix for Biology of waters for medical use	Below the matrices that can be used, alone or mixed, to comply with the representativity of the specified matrix		
	Apyrogen sterile distilled water	Deionised water	Water for injectable preparations
Waters for medical use	x	x	x
Pharmaceutical waters	x		x

Name of the matrix for Cosmetics	Below the matrices that can be used to comply with the representativity of the specified matrix			
	Moisturising lotion	Cream	Lotion	Moisturising gel
Cosmetic products	x	x	x	x

Name of the matrix for solid matrices	Below the matrices that can be used, alone or mixed, to comply with the representativity of the specified matrix					
	marine, river or port sediments	sludges from WWTP, industrial, sewage	soils or industrial contaminated sites	ashes	clinkers	residues from industries or human activity
Sediments	x					
Sludges		x				
Soils			x			
Wastes		x	x	x	x	x



## SAMPLING AND *IN SITU* MEASUREMENTS





## PROGRAMMES 100A AND 100C: *IN SITU* MEASUREMENTS AND SAMPLING IN DIFFERENT TYPES OF WATER

€ 809 excl. VAT – price for the report of one series of results

From 8 participants per interlaboratory comparison in 2024 - EXPERIENCE: 7 YEARS

➤ **2 possible locations in France:**

- ✓ **24M100A.1 - Nord – April/May 2024**
- ✓ **24M100C.1 – Rhône - June 2024**

➤ **Possibility to combine the programmes:**

- ✓ **101A and 100A**
- ✓ **101C and 100C**



➤ ***In situ* measurements:**

- ✓ **In several types of water:**  
Nord: bathing water, river water and swimming pool water  
Rhône: bathing water, river water
- ✓ **Parameters for bathing waters and river waters\*:** pH, conductivity at 25°C, dissolved oxygen, turbidity, temperature, Secchi disc transparency, REDOX potential. Other parameters may be provided depending on the locations.
- ✓ **Parameters for swimming pool waters:** pH, temperature, free chlorine and total chlorine.

➤ **Sampling of surface water and/or bathing water:**

- ✓ **Analyses by a third party: microbiological parameters\*** (intestinal enterococci, *E. coli*, ...) **and/or chemical\*** (suspended matters, nitrates, organic carbon, total phosphorus, total calcium, micropollutants potentially present...)

*\* This list will be adapted according to the characteristics of the waters of the selected locations.*

### PARTICULARITIES

- ✓ Come with the usual sampling equipment
- ✓ Test conducted for a minimum of 8 participants per location, limited number of places
- ✓ Exact dates and addresses communicated at a later stage
- ✓ **Test documents of these Proficiency Testing Schemes are not translated into English.**

## PROGRAMMES 101A AND 101C : SAMPLING USING AUTOMATIC SAMPLERS IN TREATMENT PLANT



€ 809 excl. VAT - price for the report of one series of results

From 8 participants per interlaboratory comparison in 2024 -  
EXPERIENCE: 5 YEARS

➤ 2 possible locations in France:

- ✓ 24M101A.1- Nord – April/May 2024
- ✓ 24M101C.1 - Rhône – June 2024

➤ Possibility to combine the programmes:

- ✓ 101A and 100A
- ✓ 101C and 100C

➤ Measurements on reconstituted sample, on-site:

**Parameters\***: pH, conductivity, dissolved oxygen, turbidity. Other parameters may be provided.

➤ In situ measurements:

**Parameter**: temperature.

➤ Sampling:

**Analyses by a third party: chemical parameters\*** (suspended matters, ST-CDO, ammonium, Total Organic Carbon, micropollutants potentially present...)

➤ **New in 2024**: evaluation of the total volume flowed over 24 hours.

*\* This list will be adapted according to the characteristics of the waste waters.*

### PARTICULARITIES

- ✓ Come with the usual sampling equipment
- ✓ Test conducted for a minimum of 8 participants. Limited number of places
- ✓ Exact dates and addresses communicated at a later stage
- ✓ **Test documents of these Proficiency Testing Schemes are not translated into English.**



## PROGRAMME 100D: *IN SITU* MEASUREMENTS AND SAMPLING IN DIFFERENT TYPES OF WATER - CREUSE

€ 809 excl. VAT - price for the report of one series of results

From 8 participants per interlaboratory comparison in 2024 – EXPERIENCE: 7 YEARS



- **24M100D.1 - Creuse - October 2024**
- ***In situ* measurements:**
  - ✓ **In several types of water:** bathing water, river water and swimming pool water.
  - ✓ **Parameters for bathing waters and river waters\*:** pH, conductivity at 25°C, dissolved oxygen, turbidity, temperature, Secchi disc transparency, REDOX potential. Other parameters may be provided depending on the location.
  - ✓ **Parameters for swimming pool waters\*:** pH, temperature, free chlorine, total chlorine and isocyanuric acid.
- **Sampling of surface water:**
  - ✓ **Analyses by a third party: microbiological parameters\*** (intestinal enterococci, *E. coli*, ...) **and chemical\*** (suspended matters, nitrates, organic carbon, total phosphorus, total calcium, ...)

*\* This list will be adapted according to the characteristics of the waters of the selected places.*

### PARTICULARITIES

In partnership with:



- ✓ **Possibility to combine the programmes:** 100D - 101D - 102D
- ✓ Come with the usual sampling equipment
- ✓ Minimum of 8 participants per test, limited number of participants
- ✓ Exact dates and address communicated at a later stage
- ✓ **Test documents of these Proficiency Testing Schemes are not translated into English.**

## PROGRAMME 101D: SAMPLING USING AUTOMATIC SAMPLERS IN TREATMENT PLANT - CREUSE

€ 809 excl. VAT - price for the report of one series of results

From 8 participants per interlaboratory comparison in 2024 –  
EXPERIENCE: 7 YEARS



### ➤ 24M101A.1 - Creuse (France) – October 2024

#### ➤ Measurements on reconstituted sample, on-site:

**Parameters\*:** pH, conductivity, dissolved O<sub>2</sub>, turbidity. Other parameters may be provided.

#### ➤ In situ measurements:

**Parameter:** temperature

#### ➤ Sampling:

**Analyses by a third party: chemical parameters\*** (suspended matters, ST-DCO, ammonium, Total Organic Carbon, nitrates, micropollutants potentially present, ...)

*\* This list will be adapted according to the characteristics of the waste waters.*

### PARTICULARITIES

In partnership with:



- ✓ **Possibility to combine the programmes:** 100D - 101D - 102D
- ✓ Come with the usual sampling equipment
- ✓ Test conducted for a minimum of 8 participants. Limited number of participants
- ✓ Exact dates and address communicated at a later stage
- ✓ **Test documents of these Proficiency Testing Schemes are not translated into English.**

## PROGRAMME 102D: FLOWMETRY - CREUSE



€ 311 excl. VAT - price for the report of one series of results

From 8 participants per interlaboratory comparison in 2024 - EXPERIENCE: 4 YEARS

➤ 24M102D.1 - La Souterraine (Creuse - France) - October 2024

➤ Several levels of flow on an open channel

### PARTICULARITIES

In partnership with:



- ✓ Possibility to combine the programmes: 100D - 101D - 102D
- ✓ Come with the usual sampling equipment
- ✓ Test conducted for a minimum of 8 participants. Limited number of participants
- ✓ Exact dates and addresses communicated at a later stage
- ✓ **The test documents of these Proficiency Testing Schemes are not translated into English.**



## BASE PARAMETERS AND INDICATORS IN WATERS



## PROGRAMME 1A: CHEMICAL ANALYSES IN FRESH WATERS

The materials are suitable for the check of analyses in clear freshwaters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 281 excl. VAT - total amount for 2 tests (excluding transport costs)

223 participants in 2023 - EXPERIENCE: 30 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 70 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M1A.1 - Clean water - sent in February 2024 - Refrigerated parcel			
conductivity, F <sup>-</sup> , NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , pH	1000 mL	2	2
Ca <sup>2+</sup> , Cl <sup>-</sup> , K <sup>+</sup> , Mg <sup>2+</sup> , Na <sup>+</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> , soluble silicates, degree of hardness, total alkalinity, total organic carbon (TOC), total silica	1000 mL	2	2
total organic carbon (TOC), permanganate index	500 mL	2	2
24M1A.2 - Clean water - sent in November 2024 - Refrigerated parcel			
conductivity, F <sup>-</sup> , NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , pH	1000 mL	2	2
Ca <sup>2+</sup> , Cl <sup>-</sup> , K <sup>+</sup> , Mg <sup>2+</sup> , Na <sup>+</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> , soluble silicates, degree of hardness, total alkalinity, total organic carbon (TOC), total silica	1000 mL	2	2
total organic carbon (TOC), permanganate index	500 mL	2	2

### PARTICULARITIES



**Other recommended proficiency test:**

↳ **Programme 1Ab** 'Chemical analyses in fresh waters at low concentration levels'

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

pH	D <sub>0</sub> +2
total organic carbon (TOC), NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , conductivity, permanganate index, total alkalinity	D <sub>0</sub> +3
Ca <sup>2+</sup> , Cl <sup>-</sup> , F <sup>-</sup> , K <sup>+</sup> , Mg <sup>2+</sup> , Na <sup>+</sup> , SO <sub>4</sub> <sup>2-</sup> , soluble silicates, total silica, degree of hardness	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 1Ab: CHEMICAL ANALYSES IN FRESH WATERS AT LOW CONCENTRATION LEVELS

The materials are suitable for the check of analyses in clear freshwaters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 206 excl. VAT - total amount for 1 test (excluding transport costs)

150 participants in 2023 - EXPERIENCE: 30 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 105 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M1Ab.1 - Clean water - sent in June 2024 - Refrigerated parcel			
conductivity, F <sup>-</sup> , NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , pH	1000 mL	2	2
Ca <sup>2+</sup> , Cl <sup>-</sup> , K <sup>+</sup> , Mg <sup>2+</sup> , Na <sup>+</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> , soluble silicates, degree of hardness, total alkalinity, total organic carbon (TOC), total silica	1000 mL	2	2
total organic carbon (TOC), permanganate index	500 mL	2	2

Recommended period to start the sample treatment (PRDT): time interval during which the quality of test materials is optimal (in number of days)	
pH	D <sub>0</sub> +2
total organic carbon (TOC), $NH_4^+$ , $NO_2^-$ , $NO_3^-$ , $PO_4^{3-}$ , conductivity, permanganate index, total alkalinity	D <sub>0</sub> +3
$Ca^{2+}$ , $Cl^-$ , $F^-$ , $K^+$ , $Mg^{2+}$ , $Na^+$ , $SO_4^{2-}$ , soluble silicates, total silica, degree of hardness	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 1B: INDICATORS IN FRESH WATERS



€ 163 excl. VAT - total amount for 2 tests (excluding transport costs)

126 participants in 2023 – EXPERIENCE: 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 45 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M1B.1 - Natural water - sent in April 2024 - Refrigerated parcel			
Chemical Oxygen Demand, Chemical Oxygen Demand (Sealed Tube method), DOC, total organic carbon (TOC), Total bound nitrogen (TN <sub>b</sub> measured), Total Kjeldahl Nitrogen (TKN), Total-P	1000 mL	2	2
biochemical oxygen demand after 5 days	1000 mL	2	1
total suspended solids (TSS)	1000 mL	2	2
24M1B.2 - Natural water - sent in September 2024 - Refrigerated parcel			
Chemical Oxygen Demand, Chemical Oxygen Demand (Sealed Tube method), DOC, total organic carbon (TOC), Total bound nitrogen (TN <sub>b</sub> measured), Total Kjeldahl Nitrogen (TKN), Total-P	1000 mL	2	2
biochemical oxygen demand after 5 days	1000 mL	2	1
total suspended solids (TSS)	1000 mL	2	2

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

biochemical oxygen demand after 5 days, total suspended solids (TSS)	D <sub>0</sub> +1
Chemical Oxygen Demand, Chemical Oxygen Demand (Sealed Tube method)	D <sub>0</sub> +2
DOC, total organic carbon (TOC)	D <sub>0</sub> +3
Total Kjeldahl Nitrogen (TKN)	D <sub>0</sub> +6
Total bound nitrogen (TN <sub>b</sub> measured), Total-P	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 1C: CHLOROPHYLL A AND PHEOPIGMENTS INDEX IN FRESH WATERS



€ 195 excl. VAT - total amount for 2 tests (excluding transport costs)

49 participants in 2023 - EXPERIENCE > 20 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M1C.1 - Natural water - sent in June 2024 - Refrigerated parcel			
chlorophyll a, pheopigments index	2000 mL	2	2
24M1C.2 - Natural water - sent in September 2024 - Refrigerated parcel			
chlorophyll a, pheopigments index	2000 mL	2	2

### PARTICULARITIES

Chlorophyll a and pheopigments index: after extraction, measurement of the absorption by molecular absorption spectrometry then calculation of the concentrations using the LORENZEN or the SCOR-UNESCO equation.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

chlorophyll a, pheopigments index	D <sub>0</sub> +1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 1D: FIELD PARAMETERS IN FRESH WATERS

The materials are suitable for the check of analyses in public drinking waters, spring waters and non-atypical natural mineral waters.



€ 239 excl. VAT - total amount for 2 tests (excluding transport costs)

179 participants in 2023 - EXPERIENCE > 15 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 60 excl. VAT (excluding transport costs)

**New:**

colour by comparison with hexachloroplatinate, colour using (NF EN) ISO 7887 method B, turbidity

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M1D.1 - sent in February 2024 - Refrigerated parcel			
Clean water			
conductivity, free chlorine (or available chlorine), isocyanuric acid, pH, REDOX potential, total chlorine	500 mL	2	2
colour by comparison with hexachloroplatinate, colour using (NF EN) ISO 7887 method B, pH	250 mL	2	2
turbidity	100 mL	2	2
24M1D.2 - Clean water - sent in September 2024 - Refrigerated parcel			
Clean water			
conductivity, free chlorine (or available chlorine), isocyanuric acid, pH, REDOX potential, total chlorine	500 mL	2	2
Natural water			
colour by comparison with hexachloroplatinate, colour using (NF EN) ISO 7887 method B, pH	250 mL	2	2
turbidity	100 mL	2	2

## PARTICULARITIES

**Colour by comparison with hexachloroplatinate:** The colour can be determined by visual comparison according to (NF EN) ISO 7887 - method D or by spectrophotometry according to (NF EN) ISO 7887 - method C. For clean water (clear water), the samples should not be filtered.

**Colour using (NF EN) ISO 7887 method B:** The colour determination according to (NF EN) ISO 7887 method B can be carried out on these samples. For clean water (clear water), the samples should not be filtered.



### Other recommended proficiency tests:

🔗 **Programmes 100** 'In situ measurements and sampling in different types of waters' in several regions of Metropolitan France to evaluate the quality of your on-site sampling (conducted in French only)

🔗 **Programme 1E** 'Dissolved oxygen in fresh waters'

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

free chlorine, isocyanuric acid, total chlorine	D <sub>0</sub> +1
<b>Colour</b> , REDOX potential, pH	D <sub>0</sub> +2
Conductivity, <b>turbidity</b>	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 1E: DISSOLVED OXYGEN IN FRESH WATERS

The materials are suitable for the check of analyses in public drinking waters, spring waters and non-atypical natural mineral waters.



€ 130 excl. VAT - total amount for 2 tests (excluding transport costs)

137 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 35 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M1E.1 - Clean water - sent in January 2024 - Refrigerated parcel			
dissolved O <sub>2</sub>	500 mL	2	1
24M1E.2 - Clean water - sent in June 2024 - Refrigerated parcel			
dissolved O <sub>2</sub>	500 mL	2	1

### PARTICULARITIES



#### Other recommended proficiency tests:

- ↳ **Programmes 100** 'In situ measurements and sampling in different types of waters' in several regions of Metropolitan France to evaluate the quality of your on-site sampling
- ↳ **Programme 1D** 'Field parameters in fresh waters'

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

dissolved O <sub>2</sub>	D <sub>0</sub> +1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 1G: DRY RESIDUE IN FRESH WATERS

The materials are suitable for the check of analyses in public drinking waters, spring waters and non-atypical natural mineral waters.



€ 77 excl. VAT - total amount for 2 tests (excluding transport costs)

63 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 20 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M1G.1 - Clean water - sent in January 2024 - Refrigerated parcel			
Dry residue at 105°C, Dry residue at 180°C	1000 mL	2	2
24M1G.2 - Clean water - sent in July 2024 - Refrigerated parcel			
Dry residue at 105°C, Dry residue at 180°C	1000 mL	2	2

**Recommended period to start the sample treatment (PRDT):**

time interval during which the quality of test materials is optimal (in number of days)

Dry residue at 105°C, Dry residue at 180°C	D <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 50: PERCHLORATES AND DISINFECTION BY-PRODUCTS IN FRESH WATERS

The materials are suitable for the check of analyses in public drinking waters, spring waters and non-atypical natural mineral waters.



€ 244 excl. VAT - total amount for 2 tests (excluding transport costs)

55 participants in 2023 - EXPERIENCE > 20 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M50.1 - Clean water - sent in February 2024 - Refrigerated parcel			
Br <sup>-</sup> , ClO <sub>4</sub> <sup>-</sup>	250 mL	2	2
BrO <sub>3</sub> <sup>-</sup> , ClO <sub>2</sub> <sup>-</sup> , ClO <sub>3</sub> <sup>-</sup>	250 mL	2	2
24M50.2 - Clean water - sent in September 2024 - Refrigerated parcel			
Br <sup>-</sup> , ClO <sub>4</sub> <sup>-</sup>	250 mL	2	2
BrO <sub>3</sub> <sup>-</sup> , ClO <sub>2</sub> <sup>-</sup> , ClO <sub>3</sub> <sup>-</sup>	250 mL	2	2

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Br<sup>-</sup>, BrO<sub>3</sub><sup>-</sup>, ClO<sub>2</sub><sup>-</sup>, ClO<sub>3</sub><sup>-</sup>, ClO<sub>4</sub><sup>-</sup>

D<sub>0</sub>+10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 91: ODOUR AND FLAVOUR IN WATERS INTENDED FOR HUMAN CONSUMPTION

The materials are suitable for the check of analyses in public drinking waters, spring waters and non-atypical natural mineral waters.



€ 192 excl. VAT - total amount for 2 tests (excluding transport costs)

18 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M91.1 - Clean water - sent in April 2024 - Refrigerated parcel			
Threshold Odour Number - TON	500 mL	2	1
Threshold Flavour Number - TFN	500 mL	2	1
24M91.2 - Clean water - sent in September 2024 - Refrigerated parcel			
Threshold Odour Number - TON	500 mL	2	1
Threshold Flavour Number - TFN	500 mL	2	1

### PARTICULARITIES

Threshold odour number (TON) and threshold flavour number (TFN) by the complete method by paired comparison with non-forced choice according to NF EN 1622 standard.

Panel of 5 assessors maximum for each test.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Threshold Flavour Number - TFN,  
Threshold Odour Number - TON

D<sub>0</sub>+3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 50B: DISINFECTION BY-PRODUCTS IN HIGHLY MINERALISED MINERAL WATERS

*Highly mineralised waters: flat mineral waters with dry residue content at 180°C > 1500 mg/L*

**€ 152 excl. VAT** – total amount for 1 test (excluding transport costs)



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): **€ 80 excl. VAT** (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M50B.1 - Highly mineralised mineral water - sent in July 2024 - Refrigerated parcel			
BrO <sub>3</sub> <sup>-</sup> , ClO <sub>2</sub> <sup>-</sup> , ClO <sub>3</sub> <sup>-</sup>	250 mL	2	2

### PARTICULARITIES

Test conducted for a minimum of 10 participants.

‘Health approval’: this specific programme provides **concentration levels appropriate for highly mineralised mineral waters**.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

$\text{BrO}_3^-$ , $\text{ClO}_2^-$ , $\text{ClO}_3^-$	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 90: CHEMICAL ANALYSES IN SPARKLING WATERS

Carbogaseous waters:  $\text{CO}_2 > 250 \text{ mg/L}$



€ 136 excl. VAT - total amount for 1 test (excluding transport costs)

35 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 70 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M90.1 - Carbogaseous water - sent in June 2024 - Refrigerated parcel			
turbidity, HCO <sub>3</sub> <sup>-</sup> , conductivity, pH, total alkalinity	500 mL	2	1
F <sup>-</sup> , NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , Br <sup>-</sup>	500 mL	2	2
Ca <sup>2+</sup> , Cl <sup>-</sup> , K <sup>+</sup> , Mg <sup>2+</sup> , Na <sup>+</sup> , SO <sub>4</sub> <sup>2-</sup> , dissolved silica, degree of hardness	500 mL	2	2
total organic carbon (TOC), PO <sub>4</sub> <sup>3-</sup>	330 mL	2	2

### PARTICULARITIES



**Other recommended proficiency test:**

↳ **Programme 90B** 'Dissolved  $\text{CO}_2$  in sparkling waters'

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

total organic carbon (TOC), turbidity, $\text{HCO}_3^-$ , $\text{NH}_4^+$ , $\text{NO}_2^-$ , $\text{NO}_3^-$ , $\text{PO}_4^{3-}$ , conductivity, pH, total alkalinity	$D_0+3$
$\text{Ca}^{2+}$ , $\text{Cl}^-$ , $\text{F}^-$ , $\text{K}^+$ , $\text{Mg}^{2+}$ , $\text{Na}^+$ , $\text{SO}_4^{2-}$ , dissolved silica, degree of hardness, $\text{Br}^-$	$D_0+10$

$D_0$ : Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 90A: CHEMICAL ANALYSES IN HIGHLY MINERALISED MINERAL WATERS

*Highly mineralised waters: flat mineral waters with dry residue content at 180°C > 1500 mg/L*



**€ 144 excl. VAT** - total amount for 1 test (excluding transport costs)

**26 participants** in 2023 - EXPERIENCE: 4 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): **€ 75 excl. VAT** (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M90A.1 - Highly mineralised mineral waters - sent in October 2024 - Refrigerated parcel			
conductivity, HCO <sub>3</sub> <sup>-</sup> , pH, total alkalinity, turbidity	1000 mL	2	2
Br <sup>-</sup> , F <sup>-</sup> , NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup>	500 mL	2	2
Ca <sup>2+</sup> , Cl <sup>-</sup> , K <sup>+</sup> , Mg <sup>2+</sup> , Na <sup>+</sup> , PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> , dissolved silica, degree of hardness, total organic carbon (TOC)	1000 mL	2	2

<b>Recommended period to start the sample treatment (PRDT):</b> time interval during which the quality of test materials is optimal (in number of days)	
total organic carbon (TOC), turbidity, $\text{HCO}_3^-$ , $\text{NH}_4^+$ , $\text{NO}_2^-$ , $\text{NO}_3^-$ , $\text{PO}_4^{3-}$ , conductivity, pH, total alkalinity	$D_0+3$
$\text{Br}^-$ , $\text{Ca}^{2+}$ , $\text{Cl}^-$ , $\text{F}^-$ , $\text{K}^+$ , $\text{Mg}^{2+}$ , $\text{Na}^+$ , $\text{SO}_4^{2-}$ , dissolved silica, degree of hardness	$D_0+10$

$D_0$ : Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 90B: DISSOLVED CO<sub>2</sub> IN SPARKLING WATERS

Carbogaseous waters: CO<sub>2</sub> > 250 mg/L



€ 101 excl. VAT - total amount for 1 test (excluding transport costs)

11 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M90B.1 - Carbogaseous water - sent in June 2024 - Refrigerated parcel			
Dissolved CO <sub>2</sub>	330 mL	2	1

### PARTICULARITIES



**Other recommended proficiency test:**

↳ **Programme 90** 'Chemical analyses in sparkling waters'

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Dissolved CO <sub>2</sub>	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 93: DRY RESIDUE IN ATYPICAL NATURAL MINERAL WATERS

*Atypical natural mineral waters: flat mineral waters with dry residue content at 180°C > 1500 mg/L or carbogaseous waters with CO<sub>2</sub> > 250 mg/L*



€ 77 excl. VAT - total amount for 2 tests (excluding transport costs)

10 participants in 2023 - EXPERIENCE: 3 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 20 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M93.1 - carbogaseous water - sent in February 2024 - Refrigerated parcel			
Dry residue at 180°C	1000 mL	2	2
24M93.2 - highly mineralised mineral water - sent in June 2024 - Refrigerated parcel			
Dry residue at 180°C	1000 mL	2	2

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Dry residue at 180°C	D <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 1H: FIELD PARAMETERS AND INDICATORS IN SWIMMING POOL WATERS



€ 253 excl. VAT - total amount for 2 tests (excluding transport costs)

59 participants in 2023 – EXPERIENCE: 4 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

**New:**

Permanganate index

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M1H.1 - Swimming pool water - sent in April 2024 - Refrigerated parcel			
isocyanuric acid, free chlorine (or available chlorine), total chlorine, Cl <sup>-</sup> , pH	500 mL	2	2
Total organic carbon (TOC), permanganate index	500 mL	2	2
24M1H.2 - Swimming pool water - sent in September 2024 - Refrigerated parcel			
isocyanuric acid, free chlorine (or available chlorine), total chlorine, Cl <sup>-</sup> , pH	500 mL	2	2
Total organic carbon (TOC), permanganate index	500 mL	2	2

<b>Recommended period to start the sample treatment (PRDT):</b> time interval during which the quality of test materials is optimal (in number of days)	
isocyanuric acid, free chlorine, total chlorine	D <sub>0</sub> +1
pH	D <sub>0</sub> +2
Total organic carbon (TOC), Cl <sup>-</sup> , <b>permanganate index</b>	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 50A: DISINFECTION BY-PRODUCTS IN SWIMMING POOL WATERS



€ 150 excl. VAT - total amount for 1 test (excluding transport costs)

45 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 75 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M50A.1 - Swimming pool water - sent in May 2024 - Refrigerated parcel			
Br <sup>-</sup> , BrO <sub>3</sub> <sup>-</sup>	250 mL	2	2
ClO <sub>2</sub> <sup>-</sup> , ClO <sub>3</sub> <sup>-</sup>	250 mL	2	2

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Br <sup>-</sup> , BrO <sub>3</sub> <sup>-</sup> , ClO <sub>2</sub> <sup>-</sup> , ClO <sub>3</sub> <sup>-</sup>	D <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 6: CHEMICAL ANALYSES IN SALINE WATERS



€ 668 excl. VAT - total amount for 2 tests (excluding transport costs)

28 participants in 2023 - EXPERIENCE: 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 170 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M6.1 - Saline and brackish water - sent in June 2024 - Refrigerated parcel			
NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , dissolved silica, Total-P	1000 mL	2	2
pH, salinity, total organic carbon (TOC)	1000 mL	2	2
total suspended solids (TSS)	1000 mL	2	2
turbidity	500 mL	2	2
24M6.2 - Saline and brackish water - sent in September 2024 - Refrigerated parcel			
NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , dissolved silica, Total-P	1000 mL	2	2
pH, salinity, total organic carbon (TOC)	1000 mL	2	2
total suspended solids (TSS)	1000 mL	2	2
turbidity	500 mL	2	2

### PARTICULARITIES



**Other recommended proficiency test:**

↳ **Programme 6A** 'Dissolved oxygen in saline waters'

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

pH	D <sub>0</sub> +1
total suspended solids (TSS)	D <sub>0</sub> +2
NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , PO <sub>4</sub> <sup>3-</sup> , turbidity	D <sub>0</sub> +3
total organic carbon (TOC), dissolved silica, Total-P, salinity	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 6A: DISSOLVED OXYGEN IN SALINE WATERS

€ 121 excl. VAT - total amount for 1 test (excluding transport costs)

10 participants in 2023 - EXPERIENCE: 1 YEAR



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M6A.1 - Saline and brackish water - sent in September 2024 - Refrigerated parcel			
Dissolved O <sub>2</sub>	500 mL	2	1

### PARTICULARITIES



**Other recommended proficiency test:**

↳ **Programme 6** 'Chemical analyses in saline waters'

**Recommended period to start the sample treatment (PRDT):**

time interval during which the quality of test materials is optimal (in number of days)

Dissolved O <sub>2</sub>	D <sub>0</sub> +1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 2A: CHEMICAL ANALYSES IN WASTE WATERS



€ 208 excl. VAT - total amount for 2 tests (excluding transport costs)

134 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M2A.1 - Waste water - sent in March 2024 - Refrigerated parcel			
Dissolved salts, F <sup>-</sup> , conductivity, pH, soluble silicates, total silica (Si)	1000 mL	2	2
Dissolved calcium (Ca <sup>2+</sup> ), total calcium (Ca), Cl <sup>-</sup> , K <sup>+</sup> , dissolved magnesium (Mg <sup>2+</sup> ), total magnesium (Mg), Na <sup>+</sup> , SO <sub>4</sub> <sup>2-</sup> , total alkalinity	1000 mL	2	2
PO <sub>4</sub> <sup>3-</sup>	250 mL	2	2
24M2A.2 - Waste water - sent in October 2024 - Refrigerated parcel			
Dissolved salts, F <sup>-</sup> , conductivity, pH, soluble silicates, total silica (Si)	1000 mL	2	2
Dissolved calcium (Ca <sup>2+</sup> ), total calcium (Ca), Cl <sup>-</sup> , K <sup>+</sup> , dissolved magnesium (Mg <sup>2+</sup> ), total magnesium (Mg), Na <sup>+</sup> , SO <sub>4</sub> <sup>2-</sup> , total alkalinity	1000 mL	2	2
PO <sub>4</sub> <sup>3-</sup>	250 mL	2	2

### PARTICULARITIES

Dissolved salts: evaluation of the quantity of dissolved matters from the measurement of the theoretical electrical conductivity according to NF T90-111 or any other equivalent standard; the results have to be reported in µS/cm.

Total silica (Si), total calcium (Ca), total magnesium (Mg): dissolved and particulate forms have to be taken into account.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

pH	D <sub>0</sub> +1
Dissolved salts, PO <sub>4</sub> <sup>3-</sup> , SO <sub>4</sub> <sup>2-</sup> , conductivity, total alkalinity	D <sub>0</sub> +3
Dissolved calcium (Ca <sup>2+</sup> ), total calcium (Ca), Cl <sup>-</sup> , F <sup>-</sup> , K <sup>+</sup> , dissolved magnesium (Mg <sup>2+</sup> ), total magnesium (Mg), Na <sup>+</sup> , total silica, soluble silicates	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 2B: INDICATORS IN WASTE WATERS



€ 267 excl. VAT - total amount for 2 tests (excluding transport costs)

212 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 70 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M2B.1 - Waste water - sent in March 2024 - Refrigerated parcel			
Br <sup>-</sup> , NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , conductivity, pH	1000 mL	2	2
DOC, total organic carbon (TOC), Total Kjeldahl Nitrogen (TKN), Total bound nitrogen (TN <sub>b</sub> measured), Total-P	1000 mL	2	2
total suspended solids (TSS)	1000 mL	2	2
Chemical Oxygen Demand, Chemical Oxygen Demand (Sealed Tube method), Cl <sup>-</sup>	1000 mL	2	2
BOD <sub>5</sub>			1
24M2B.2 - Waste water - sent in October 2024 - Refrigerated parcel			
Br <sup>-</sup> , NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , conductivity, pH	1000 mL	2	2
DOC, total organic carbon (TOC), Total Kjeldahl Nitrogen (TKN), Total bound nitrogen (TN <sub>b</sub> measured), Total-P	1000 mL	2	2
total suspended solids (TSS)	1000 mL	2	2
Chemical Oxygen Demand, Chemical Oxygen Demand (Sealed Tube method), Cl <sup>-</sup>	1000 mL	2	2
BOD <sub>5</sub>			1

### PARTICULARITIES



**Other recommended proficiency tests:**

- ↳ **Programme 2C** 'Indicators in waste waters at low concentration levels'
- ↳ **Programme 2F** 'ST-COD at low contents in waste waters'

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

BOD <sub>5</sub> , Chemical Oxygen Demand, Chemical Oxygen Demand (Sealed Tube method), pH, total suspended solids (TSS)	D <sub>0</sub> +1
DOC, total organic carbon (TOC), NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , Total Kjeldahl Nitrogen (TKN), Total bound nitrogen (TN <sub>b</sub> measured), conductivity	D <sub>0</sub> +3
Br <sup>-</sup> , Cl <sup>-</sup> , Total-P	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 2C: INDICATORS IN WASTE WATERS AT LOW CONCENTRATION LEVELS



€ 142 excl. VAT - total amount for 1 test (excluding transport costs)

134 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 75 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M2C.1 - Waste water - sent in December 2024 - Refrigerated parcel			
Br <sup>-</sup> , NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , conductivity, pH	1000 mL	2	2
DOC, total organic carbon (TOC), Total Kjeldahl Nitrogen (TKN), Total bound nitrogen (TN <sub>b</sub> measured), Total-P	1000 mL	2	2
total suspended solids (TSS)	1000 mL	2	2
Chemical Oxygen Demand, Chemical Oxygen Demand (Sealed Tube method), Cl <sup>-</sup>	1000 mL	2	2
BOD <sub>5</sub>			1

### PARTICULARITIES



**Other recommended proficiency tests:**

➔ **Programme 2F 'ST-COD at low contents in waste waters'**

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

BOD <sub>5</sub> , Chemical Oxygen Demand, Chemical Oxygen Demand (Sealed Tube method), pH, total suspended solids (TSS)	D <sub>0</sub> +1
DOC, total organic carbon (TOC), NH <sub>4</sub> <sup>+</sup> , NO <sub>2</sub> <sup>-</sup> , NO <sub>3</sub> <sup>-</sup> , Total Kjeldahl Nitrogen (TKN), Total bound nitrogen (TN <sub>b</sub> measured), conductivity	D <sub>0</sub> +3
Br <sup>-</sup> , Cl <sup>-</sup> , Total-P	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 2D: FIELD PARAMETERS IN WASTE WATERS



€ 87 excl. VAT - total amount for 2 tests (excluding transport costs)

108 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 25 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M2D.1 - Waste water - sent in March 2024 - Refrigerated parcel			
pH, conductivity, turbidity, REDOX potential, true colour by comparison with hexachloroplatinate	500 mL	2	2
24M2D.2 - Waste water - sent in October 2024 - Refrigerated parcel			
pH, conductivity, turbidity, REDOX potential, true colour by comparison with hexachloroplatinate	500 mL	2	2

### PARTICULARITIES

True colour analysed by spectrophotometry according to method C of the NF EN ISO 7887 standard. The determination of the true colour according to the method D of the NF EN ISO 7887 standard can be carried out.



**Pour aller plus loin, nous vous conseillons :**

🔗 **Programmes 101** 'Sampling using automatic samplers in treatment plant' in several regions of Metropolitan France to evaluate the quality of your on-site sampling (conducted in French only)

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

pH, true colour by comparison with hexachloroplatinate	D <sub>0</sub> +1
REDOX potential, <b>turbidity</b>	D <sub>0</sub> +2
conductivity	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 2F: ST-COD AT LOW CONTENTS IN WASTE WATERS



€ 95 excl. VAT - total amount for 1 test (excluding transport costs)

68 participants in 2023 – EXPERIENCE: 2 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M2F.1 - Waste water - sent in June 2024 - Refrigerated parcel			
Cl <sup>-</sup> , Chemical Oxygen Demand (Sealed Tube method)	250 mL	2	2

### PARTICULARITIES

In the frame of this proficiency test, ST-COD contents will be low and between 10 mg of O<sub>2</sub>/L and 30 mg of O<sub>2</sub>/L.

Test samples may contain high chloride contents, which will nevertheless be representative of the levels found in routine waste waters.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Chemical Oxygen Demand (Sealed Tube method)	D <sub>0</sub> +1
Cl <sup>-</sup>	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 2G: DRY RESIDUE IN WASTE WATERS

€ 77 excl. VAT - total amount for 2 tests (excluding transport costs)

**New**

New in 2024



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 20 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M2G.1 – Waste water - sent in March 2024 - Refrigerated parcel			
Dry residue at 105°C without filtration Dry residue at 180°C without filtration	500 mL	2	2
24M2G.2 - Waste water - sent in October 2024 - Refrigerated parcel			
Dry residue at 105°C without filtration Dry residue at 180°C without filtration	500 mL	2	2

### PARTICULARITIES

The dry residue measurement at 105°C and /or à 180°C will have to be carried out without prior filtration of the sample.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Dry residue at 105°C, Dry residue at 180°C	J <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)





## METALS IN WATERS



## PROGRAMME 3A: METALS IN FRESH WATERS

Test materials are suitable for the check of analyses in clear freshwaters, public drinking waters and non-atypical spring waters.



€ 563 excl. VAT -total amount for 3 tests (excluding transport costs)

135 participants in 2023 – EXPERIENCE: 30 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 95 excl. VAT (excluding transport costs)

Parameters to analyse <i>(implemented twice during the year and in 3 deliveries)</i>	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M3A.1 - Clean water - sent in January 2024			
Al, Ba, Be, Cd, Co, Cr, Fe, Gd, Li, Mn, Mo, Ni, Pb, S, Sr, Ti, U, V, Zn	500 mL	2	2
Ag	250 mL	2	2
Hg	250 mL	2	2
24M3A.2 - Clean water - sent in May 2024			
Al, As, B, Be, Bi, Cd, Cu, Fe, Gd, Mo, Pb, S, Sb, Se, Sn, Te, Ti, Tl, W, Zr	500 mL	2	2
Ce, Ga, La	100 mL	2	2
Hg	250 mL	2	2
24M3A.3 - Clean water - sent in November 2024			
As, B, Ba, Bi, Co, Cr, Cu, Li, Mn, Ni, Sb, Se, Sn, Sr, Te, Tl, U, V, W, Zn, Zr	500 mL	2	2
Ce, Ga, La	100 mL	2	2
Ag	250 mL	2	2

### PARTICULARITIES

For all the parameters, the method used should enable to measure the total content of this element.



#### Other recommended proficiency tests:

- ↳ Programme 3G 'Additional metals in fresh waters'
- ↳ Programme 3C 'Metals in non-atypical natural mineral waters' – 'Health approval' (concentration levels appropriate for non-atypical mineral waters)

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Ag	D <sub>0</sub> +3
Al, As, B, Ba, Be, Bi, Cd, Ce, Co, Cr, Cu, Fe, Ga, Gd, Hg, La, Li, Mn, Mo, Ni, Pb, S, Sb, Se, Sn, Sr, Te, Ti, Tl, U, V, W, Zn, Zr	D <sub>0</sub> +17

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 3G: ADDITIONAL METALS IN FRESH WATERS

Test materials are suitable for the check of analyses in clear freshwaters, public drinking waters and non-atypical spring waters.

€ 147 excl. VAT - total amount for 1 test (excluding transport costs)

**New**

New in 2024



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 75 excl. VAT (excluding transport costs)

Parameters to analyse	Flacon		Number of measurements per parameter and per bottle
	Volume	Number	
24M3G.1 - Clean water - sent in August 2024			
Cs, In, Pd, Pt, Rb	500 mL	2	2

### PARTICULARITIES

For all the parameters, the method used should enable to measure the total content of this element.  
A minimum of 10 participants is required.



#### Other recommended proficiency tests:

- ↳ **Programme 3A** 'Metals in fresh waters'
- ↳ **Programme 3C** 'Metals in non-atypical natural mineral waters' – 'Health approval' (concentration levels appropriate for non-atypical mineral waters)

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Cs, In, Pd, Pt, Rb	D <sub>0</sub> +17
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 3D: HEXAVALENT CHROMIUM IN WATERS

Clean and natural waters: the materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 156 excl. VAT - total amount for 4 tests (excluding transport costs)

86 participants in 2023 - EXPERIENCE > 15 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 20 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M3D.1 - Waste water - sent in January 2024 - Refrigerated parcel			
Cr <sup>+6</sup>	250 mL	2	2
24M3D.2 - Clean water - sent in April 2024 - Refrigerated parcel			
Cr <sup>+6</sup>	250 mL	2	2
24M3D.3 - Waste water - sent in August 2024 - Refrigerated parcel			
Cr <sup>+6</sup>	250 mL	2	2
24M3D.4 - Natural water - sent in November 2024 - Refrigerated parcel			
Cr <sup>+6</sup>	250 mL	2	2

**Recommended period to start the sample treatment (PRDT):**

time interval during which the quality of test materials is optimal (in number of days)

Cr <sup>+6</sup>	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 3B: METALS IN WASTE WATERS



€ 574 excl. VAT – total amount for 3 tests (excluding transport costs)

110 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 100 excl. VAT (excluding transport costs)

Parameters to analyse <i>(implemented twice during the year and in 3 deliveries)</i>	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M3B.1 - Waste water - sent in March 2024			
Al, As, B, Ba, Cd, Co, Cr, Fe, Li, Mn, Ni, Sn, Te, Ti, Tl, V, W, Zr	500 mL	2	2
Ag, Hg	250 mL	2	2
24M3B.2 - Waste water - sent in September 2024			
As, B, Ba, Be, Bi, Co, Cu, Mn, Mo, Ni, Pb, S, Sb, Se, Sr, Te, U, V, W, Zn	500 mL	2	2
24M3B.3 - Waste water - sent in December 2024			
Al, Be, Bi, Cd, Cr, Cu, Fe, Li, Mo, Pb, S, Sb, Se, Sn, Sr, Ti, Tl, U, Zn, Zr	500 mL	2	2
Ag, Hg	250 mL	2	2

### PARTICULARITIES

For all the parameters, the method used should enable to measure the total content of this element.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Ag	D <sub>0</sub> +3
Al, As, B, Ba, Be, Bi, Cd, Co, Cr, Cu, Fe, Hg, Li, Mn, Mo, Ni, Pb, S, Sb, Se, Sn, Sr, Te, Ti, Tl, U, V, W, Zn, Zr	D <sub>0</sub> +17

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 7: METALS IN SALINE WATERS



€ 147 excl. VAT - total amount for 1 test (excluding transport costs)

15 participants in 2023 - EXPERIENCE 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 75 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M7.1 - Saline and brackish water - sent in May 2024			
As, Cd, Cr, Cu, Ni, Pb, Fe, Mn, Zn	1000 mL	2	2
Hg	250 mL	2	2

### PARTICULARITIES

For all the parameters, the method used should enable to measure the total content of the element.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

As, Cd, Cr, Cu, Hg, Ni, Pb, Fe, Mn, Zn	analyse upon receipt
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## PROGRAMME 3C: METALS IN NON-ATYPICAL NATURAL MINERAL WATERS

*Non-atypical natural mineral waters: flat mineral water with dry residue content at 180°C < 1500 mg/L*



€ 259 excl. VAT - total amount for 2 tests (excluding transport costs)

28 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M3C.1 - Flat mineral water - sent in January 2024			
Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn	500 mL	2	2
Hg	250 mL	2	2
24M3C.2 - Flat mineral water - sent in June 2024			
Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn	500 mL	2	2
Hg	250 mL	2	2

### PARTICULARITIES

For all the parameters, the method used should enable to measure the total content of the element.

‘Health approval’: this specific programme provides **concentration levels appropriate for non-atypical mineral waters**.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Hg, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn	D <sub>0</sub> +17
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 3E: METALS IN SPARKLING WATERS

Carbogaseous waters: CO<sub>2</sub> >250 mg/L



€ 187 excl. VAT – total amount for 1 test (excluding transport costs)

21 participants in 2023 – EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 95 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M3E.1 - Carbogaseous water - sent in February 2024			
Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn	500 mL	2	2
Hg	250 mL	2	2

### PARTICULARITIES

For all the parameters, the method used must enable to measure the total content of this element.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Hg, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn	D <sub>0</sub> +17
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 3F: METALS IN HIGHLY MINERALISED MINERAL WATERS

*Highly mineralised waters: flat mineral waters with dry residue content at 180°C > 1500 mg/L*



€ 189 excl. VAT - total amount for 1 test (excluding transport costs)

11 participants in 2023 - EXPERIENCE: 4 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 95 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M3F.1 - Highly mineralised water - sent in July 2024			
Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn	500 mL	2	2
Hg	250 mL	2	2

### PARTICULARITIES

For all the parameters, the method used must enable to measure the total content of this element.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Al, As, B, Ba, Be, Cd, Cr, Cu, Fe, Hg, Li, Mn, Ni, Pb, Sb, Se, Sr, U, Zn	D <sub>0</sub> +17
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## INDEXES IN WATERS



## PROGRAMME 5A: GLOBAL INDEXES IN FRESH WATERS

The materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 218 excl. VAT - total amount for 2 tests (excluding transport costs)

55 participants in 2023 – EXPERIENCE: 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M5A.1 - Clean water - sent in January 2024 - Refrigerated parcel			
Free cyanide, total cyanide (index)	500 mL	2	2
Phenol index	1000 mL	2	2
Anionic surfactants index	500 mL	2	2
24M5A.2 - Natural water - sent in September 2024 - Refrigerated parcel			
Free cyanide, total cyanide (index)	500 mL	2	2
Phenol index	1000 mL	2	2
Anionic surfactants index	500 mL	2	2

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Free cyanide, total cyanide (index)	D <sub>0</sub> +3
anionic surfactants index, phenol index	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 5B: GLOBAL INDEXES IN WASTE WATERS



€ 254 excl. VAT - total amount for 2 tests (excluding transport costs)

70 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M5B.1 - Waste water - sent in March 2024 - Refrigerated parcel			
free cyanide, total cyanide (index)	500 mL	2	2
phenol index	1000 mL	2	2
anionic surfactants index	500 mL	2	2
24M5B.2 - Waste water - sent in December 2024 - Refrigerated parcel			
free cyanide, total cyanide (index)	500 mL	2	2
phenol index	1000 mL	2	2
anionic surfactants index	500 mL	2	2

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

free cyanide, total cyanide (index)	D <sub>0</sub> +3
anionic surfactants index, phenol index	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 5C: TOTAL HYDROCARBONS INDEX IN WATERS

*Clean and natural waters: the materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.*



€ 233 excl. VAT - total amount for 4 tests (excluding transport costs)

102 participants in 2023 - EXPERIENCE 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 30 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M5C.1 - Clean water - sent in January 2024 - Refrigerated parcel			
total hydrocarbons index - C10-C40 range	1000 mL	2	1
24M5C.2 - Waste water - sent in May 2024 - Refrigerated parcel			
total hydrocarbons index - C10-C40 range	1000 mL	2	1
24M5C.3 - Natural water - sent in September 2024 - Refrigerated parcel			
total hydrocarbons index - C10-C40 range	1000 mL	2	1
24M5C.4 - Waste water - sent in December 2024 - Refrigerated parcel			
total hydrocarbons index - C10-C40 range	1000 mL	2	1

### PARTICULARITIES

Total hydrocarbons index - C10-C40 range according to (NF EN) ISO 9377-2 or equivalent standard.

Total hydrocarbons index - C10-C40 range: sum of the concentrations of compounds extractable with a hydrocarbon solvent, boiling point between 36 °C and 69 °C, not adsorbed on Florisil and which may be chromatographed by GC-FID, with retention times between those of n-decane (C10H22) and n-tetracontane (C40H82).

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

total hydrocarbons index - C10-C40 range

D<sub>0</sub>+10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 5D: VOLATILE HYDROCARBONS INDEX IN WATERS



€ 172 excl. VAT - total amount for 3 tests (excluding transport costs)

29 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 30 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M5D.1 - Waste water - sent in February 2024 - Refrigerated parcel			
Volatile hydrocarbons index – C5-C9 range	100 mL	2	1
24M5D.2 - Natural water - sent in June 2024 - Refrigerated parcel			
Volatile hydrocarbons index – C5-C9 range	100 mL	2	1
24M5D.3 - Waste water - sent in August 2024 - Refrigerated parcel			
Volatile hydrocarbons index – C5-C9 range	100 mL	2	1

### PARTICULARITIES

Volatile hydrocarbons index – C5-C9 range according to NF T90-124 or equivalent standard.

Volatile hydrocarbons index – C5-C9 range: sum of concentrations of compounds present in the static headspace giving a response in gas chromatography equipped with a nonpolar column and a flame ionization detector (GC/FID), in experimental conditions enabling to obtain a C5/123-TMB ratio between 0,7 and 1,3, and with retention times between those of pentane (C<sub>5</sub>H<sub>12</sub>) and 1,2,3-trimethylbenzene (C<sub>9</sub>H<sub>12</sub>).

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Volatile hydrocarbons index – C5-C9 range	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)





## ORGANIC POLLUTANTS



## PROGRAMME 4C: VOLATILE ORGANOHALOGENS AND BENZENE DERIVATIVES IN FRESH WATERS

The materials are suitable for the check of public drinking waters, spring waters and non-atypical natural mineral waters except for BTEX and VOHs provided in non-atypical mineral waters of programme 92.



€ 556 excl. VAT - total amount for 1 test (excluding transport costs)

56 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 280 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M4C.1 - Clean water - sent in March 2024 - Refrigerated parcel			
<b>BTEX:</b> 1,2,3-trimethylbenzene <sup>[1]</sup> , 1,2,4-trimethylbenzene <sup>[1]</sup> (= pseudocumene), 1,3,5-trimethylbenzene <sup>[1]</sup> (= mesitylene), benzene, bromobenzene, ethylbenzene, isopropylbenzene, toluene, total xylenes, xylene ortho, xylene para + xylene meta	60 mL	2	1
<b>VOHs:</b> 1,1,1,2-tetrachloroethane, 1,2-dichloroethane, bromoform, bromochloromethane, chloroform, dibromochloromethane, dibromomethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, THMs*, vinyl chloride	60 mL	2	1
<b>chlorobenzenes - light:</b> 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, chlorobenzene, dichlorobenzenes (sum of the 3 isomers), <b>chlorotoluenes:</b> 2-chlorotoluene, 3-chlorotoluene, 4-chlorotoluene, chlorotoluenes (sum of the 3 isomers), <b>VOHs:</b> 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethylene, 1,2-dibromoethane, 1,2-dichloroethylene (cis+trans), 1,2-dichloroethylene cis, 1,2-dichloroethylene trans, 1,2-dichloropropane, 1,3-dichloropropane, 1,3-dichloropropene (cis+trans), 3-chloroprene (3-chloropropene), carbon tetrachloride, chloroprene, dichloromethane, hexachlorobutadiene, hexachloroethane, , methyl bromide (bromomethane), methyl ter-butyl ether (MTBE), sec-butylbenzene <sup>[1]</sup>	100 mL	2	1

<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)

\*THM (= trihalomethanes): Sum of contents in chloroform + bromoform + dichlorobromomethane + dibromochloromethane.

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M4C.1 (continued)			
Hexachlorobutadiene <b>nitro-aromatics:</b> 1-chloro-2-nitrobenzene, 1-chloro-3-nitrobenzene, 1-chloro-4-nitrobenzene, 2,4-dinitrotoluene, 2,6-dinitrotoluene, 2-nitrotoluene, nitrobenzene, <b>chlorobenzenes:</b> 1,2,4,5-tetrachlorobenzene, tetrachlorobenzenes (sum of the 3 isomers), 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, trichlorobenzenes (sum of the 3 isomers), hexachlorobenzene, pentachlorobenzene	1000 mL	2	1
[1] parameter not covered by accreditation (see general conditions of registration)			

#### PARTICULARITIES



##### Other recommended proficiency tests:

- 🔗 **Programme 4Cb** 'Volatile organohalogenes and benzene derivatives in fresh waters at low concentration levels - **'Environmental approval'** to meet the requirements of French legislation (contact us for the concentration ranges).
- 🔗 **Programme 92** 'BTEX and VOC in atypical and non-atypical natural mineral waters - **'Health approval'**

Recommended period to start the sample treatment (PRDT): time interval during which the quality of test materials is optimal (in number of days)	
nitro-aromatics	analyse upon receipt
chlorobenzenes	D <sub>0</sub> +3
hexachlorobutadiene	D <sub>0</sub> +3
BTEX VOHs chlorobenzenes - light chlorotoluenes	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 4Cb: VOLATILE ORGANOHALOGENS AND BENZENE DERIVATIVES IN FRESH WATERS AT LOW CONCENTRATION LEVELS

The materials are suitable for the check of public drinking waters, spring waters and non-atypical natural mineral waters except for BTEX and VOHs provided in non-atypical mineral waters of programme 92.



€ 333 excl. VAT - total amount for 1 test (excluding transport costs)

61 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 170 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M4Cb.1 - Clean water - sent in November 2024 - Refrigerated parcel			
<b>BTEX:</b> 1,2,3-trimethylbenzene <sup>[1]</sup> , 1,2,4-trimethylbenzene <sup>[1]</sup> (= pseudocumene), 1,3,5-trimethylbenzene <sup>[1]</sup> (= mesitylene), benzene, bromobenzene, ethylbenzene, isopropylbenzene, toluene, total xylenes, xylene ortho, xylene para + xylene meta	60 mL	2	1
<b>VOHs:</b> 1,1,1,2-tetrachloroethane, 1,2-dichloroethane, bromoform, bromochloromethane, chloroform, dibromochloromethane, dibromomethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, THMs*, vinyl chloride	60 mL	2	1
<b>chlorobenzenes - light:</b> 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, chlorobenzene, dichlorobenzenes (sum of the 3 isomers), <b>chlorotoluenes:</b> 2-chlorotoluene, 3-chlorotoluene, 4-chlorotoluene, chlorotoluenes (sum of the 3 isomers), <b>VOHs:</b> 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethylene, 1,2-dibromoethane, 1,2-dichloroethylene (cis+trans), 1,2-dichloroethylene cis, 1,2-dichloroethylene trans, 1,2-dichloropropane, 1,3-dichloropropane, 1,3-dichloropropene (cis+trans), 3-chloroprene (3-chloropropene), carbon tetrachloride, chloroprene, dichloromethane,, hexachlorobutadiene, hexachloroethane, methyl bromide (bromomethane), methyl ter-butyl ether (MTBE), sec-butylbenzene <sup>[1]</sup>	100 mL	2	1
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

\*THM (= trihalomethanes): Sum of contents in chloroform + bromoform + dichlorobromomethane + dibromochloromethane.

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M4Cb.1 (continued)			
Hexachlorobutadiene <b>nitro-aromatics:</b> 1-chloro-2-nitrobenzene, 1-chloro-3-nitrobenzene, 1-chloro-4-nitrobenzene, 2,4-dinitrotoluene, 2,6-dinitrotoluene, 2-nitrotoluene, nitrobenzene, <b>chlorobenzenes:</b> 1,2,4,5-tetrachlorobenzene, tetrachlorobenzenes (sum of the 3 isomers), 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, trichlorobenzenes (sum of the 3 isomers), hexachlorobenzene, pentachlorobenzene	1000 mL	2	1

#### PARTICULARITIES

**‘Environment approval’:** this is an additional proficiency test identical to the tests of programme 4C but at low concentration levels to meet the requirements of French legislation (contact us for the concentration ranges).



#### Other recommended proficiency test:

👉 **Programme 92** ‘BTEX and VOC in atypical and non-atypical natural mineral waters - ‘**Health approval**’

<b>Recommended period to start the sample treatment (PRDT):</b> time interval during which the quality of test materials is optimal (in number of days)	
nitro-aromatics	analyse upon receipt
chlorobenzenes	D <sub>0</sub> +3
hexachlorobutadiene	D <sub>0</sub> +3
BTEX VOHs chlorobenzenes - light chlorotoluenes	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 5E: CHELATING AGENTS IN FRESH WATERS

€ 149 excl. VAT - total amount for 1 test (excluding transport costs)

16 participants in 2022 - EXPERIENCE: 1 YEAR



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 75 excl. VAT (excluding transport costs)

**New:** NTA, DTPA

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M5E.1 - Clean water - sent in June 2024 - Refrigerated parcel			
EDTA, NTA, DTPA	1000 mL	2	2

### PARTICULARITIES

**Biannual periodicity:** this programme is provided one year out of two. It will be provided again in 2026.

<b>Recommended period to start the sample treatment (PRDT):</b> time interval during which the quality of test materials is optimal (in number of days)	
EDTA, NTA, DTPA	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 20A: CHLOROPHENOLS IN FRESH WATERS



€ 258 excl. VAT - total amount for 2 tests (excluding transport costs)

32 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M20A.1 - Natural water - sent in January 2024 - Refrigerated parcel			
2-chlorophenol, 3-chlorophenol, 4-chlorophenol, chlorophenols (sum of the 3 isomers), 2,3-dichlorophenol, 2,4-dichlorophenol, 2,6-dichlorophenol, 3,4-dichlorophenol, 3,5-dichlorophenol, dichlorophenols (sum of the 6 isomers), 2,3,4-trichlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 3,4,5-trichlorophenol, trichlorophenols (sum of the 6 isomers), pentachlorophenol, 4-chloro-3-methylphenol	1000 mL	2	1
24M20A.2 - Natural water - sent in May 2024 - Refrigerated parcel			
2-chlorophenol, 3-chlorophenol, 4-chlorophenol, chlorophenols (sum of the 3 isomers), 2,3-dichlorophenol, 2,4-dichlorophenol, 2,6-dichlorophenol, 3,4-dichlorophenol, 3,5-dichlorophenol, dichlorophenols (sum of the 6 isomers), 2,3,4-trichlorophenol, 2,3,5-trichlorophenol, 2,3,6-trichlorophenol, 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, 3,4,5-trichlorophenol, trichlorophenols (sum of the 6 isomers), pentachlorophenol, 4-chloro-3-methylphenol	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of natural water. The analyses have to be carried out with the reconstituted samples.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Chlorophenols

D<sub>0</sub>+10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 21A: ALKYLPHENOLS IN FRESH WATERS



€ 187 excl. VAT -total amount for 2 tests (excluding transport costs)

29 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M21A.1 - Natural water - sent in January 2024 - Refrigerated parcel			
2-methylphenol [CAS 95-48-7], 4-methylphenol [CAS 106-44-5], 4-n-nonylphenol [CAS 104-40-5], 4-nonylphenols [CAS 84852-15-3], 4-tert-butylphenol [CAS 98-54-4], 4-tert-octylphenol [CAS 140-66-9], NP1EO - 4-nonylphenol monoethoxylate	1000 mL	2	1
24M21A.2 - Natural water - sent in May 2024 - Refrigerated parcel			
2-methylphenol [CAS 95-48-7], 4-methylphenol [CAS 106-44-5], 4-n-nonylphenol [CAS 104-40-5], 4-nonylphenols [CAS 84852-15-3], 4-tert-butylphenol [CAS 98-54-4], 4-tert-octylphenol [CAS 140-66-9], NP1EO - 4-nonylphenol monoethoxylate	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of natural water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Alkylphénols

analyse upon receipt

## PROGRAMME 22A: CHLOROANILINES IN FRESH WATERS



€ 157 excl. VAT - total amount for 2 tests (excluding transport costs)

14 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 40 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M22A.1 - Natural water - sent in January 2024 - Refrigerated parcel			
2-chloroaniline, 3-chloroaniline, 4-chloroaniline, Chloroanilines (sum of the 3 isomers), 3,4-dichloroaniline, 4-chloro-2-nitroaniline	1000 mL	2	1
24M22A.2 - Natural water - sent in May 2024 - Refrigerated parcel			
2-chloroaniline, 3-chloroaniline, 4-chloroaniline, Chloroanilines (sum of the 3 isomers), 3,4-dichloroaniline, 4-chloro-2-nitroaniline	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of natural water. The analyses have to be carried out with the reconstituted samples.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Chloroanilines

analyse upon receipt

## PROGRAMME 23A: ORGANOTIN COMPOUNDS IN FRESH WATERS



€ 200 excl. VAT - total amount for 2 tests (excluding transport costs)

17 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M23A.1 - Natural water - sent in February 2024 - Refrigerated parcel			
monobutyltin cation, dibutyltin cation, dioctyltin cation <sup>[1]</sup> , tributyltin cation, triphenyltin cation, tetrabutyltin	1000 mL	2	1
24M23A.2 - Natural water - sent in July 2024 - Refrigerated parcel			
monobutyltin cation, dibutyltin cation, dioctyltin cation <sup>[1]</sup> , tributyltin cation, triphenyltin cation, tetrabutyltin	1000 mL	2	1
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of natural water. The analyses have to be carried out with the reconstituted samples.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Organotin compounds

analyse upon receipt

## PROGRAMME 24A: BROMINATED DIPHENYL ETHERS IN FRESH WATERS



€ 247 excl. VAT - total amount for 2 tests (excluding transport costs)

17 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M24A.1 - Natural water - sent in February 2024 - Refrigerated parcel			
BDE-28, BDE-47, BDE-99, BDE-100, BDE-153, BDE-154, BDE-183, BDE-209	1000 mL	2	1
24M24A.2 - Natural water - sent in October 2024 - Refrigerated parcel			
BDE-28, BDE-47, BDE-99, BDE-100, BDE-153, BDE-154, BDE-183, BDE-209	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of natural water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Brominated diphenyl ethers	analyse upon receipt
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## PROGRAMME 24C: HBCDD IN FRESH WATERS AND HBCDD, HBB IN WASTE WATERS



€ 361 excl. VAT - total amount for 2 tests (excluding transport costs)

14 participants in 2023 - EXPERIENCE: 5 YEARS

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M24C.1 - Natural water - sent in April 2024 - Refrigerated parcel			
alpha-HBCDD (alpha-hexabromocyclododecane) beta-HBCDD (beta-hexabromocyclododecane) gamma-HBCDD (gamma-hexabromocyclododecane) total HBCDD (total hexabromocyclododecane)	1000 mL	2	1
24M24C.2 - Waste water - sent in October 2024 - Refrigerated parcel			
total HBCDD (total hexabromocyclododecane) HBB (hexabromobiphenyl) <sup>[1]</sup>	1000 mL	2	1
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of natural water or waste water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

alpha-HBCDD, beta-HBCDD, gamma-HBCDD, total HBCDD, HBB	analyse upon receipt
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## PROGRAMME 25A: BIPHENYL IN FRESH WATERS



€ 213 excl. VAT - total amount for 2 tests (excluding transport costs)

14 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M25A.1 - Natural water - sent in February 2024 - Refrigerated parcel			
biphenyl	1000 mL	2	1
24M25A.2 - Natural water - sent in November 2024 - Refrigerated parcel			
biphenyl	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of natural water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

biphenyl	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 26A: PHTHALATES IN FRESH WATERS



€ 229 excl. VAT - total amount for 2 tests (excluding transport costs)

29 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 60 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M26A.1 - Natural water - sent in February 2024 - Refrigerated parcel			
BBzP (Butyl benzyl phthalate), DBP (Dibutylphthalate), DEHP (Di(2-ethylhexyl)phthalate), DEP (Diethylphthalate), DMP (Dimethylphthalate), DiBP (Diisobutylphthalate)	1000 mL	2	1
24M26A.2 - Natural water - sent in November 2024 - Refrigerated parcel			
BBzP (Butyl benzyl phthalate), DBP (Dibutylphthalate), DEHP (Di(2-ethylhexyl)phthalate), DEP (Diethylphthalate), DMP (Dimethylphthalate), DiBP (Diisobutylphthalate)	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of natural water. The analyses have to be carried out with the reconstituted samples.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Phthalates	analyse upon receipt
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## PROGRAMME 27A: C10-C13 CHLOROALKANES (SCCPs) IN FRESH WATERS



€ 219 excl. VAT - total amount for 2 tests (excluding transport costs)

11 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M27A.1 - Natural water - sent in March 2024 - Refrigerated parcel			
C10-C13 chloroalkanes	1000 mL	2	1
24M27A.2 - Natural water - sent in October 2024 - Refrigerated parcel			
C10-C13 chloroalkanes	1000 mL	2	1

<b>Recommended period to start the sample treatment (PRDT):</b> time interval during which the quality of test materials is optimal (in number of days)	
C10-C13 chloroalkanes	D <sub>0</sub> +10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 28A: HALOACETIC ACIDS IN FRESH WATERS

The materials are suitable for the check of analyses in public distribution waters, spring waters and non-atypical natural mineral water.



€ 246 excl. VAT -total amount for 2 tests (excluding transport costs)

26 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M28A.1 - Clean water - sent in March 2024 - Refrigerated parcel			
bromoacetic acid, bromochloroacetic acid, bromodichloroacetic acid, chloroacetic acid, dibromoacetic acid, dibromochloroacetic acid, dichloroacetic acid, tribromoacetic acid, trichloroacetic acid, sum of the 5 haloacetic acids: chloroacetic acid + dichloroacetic acid + trichloroacetic acid + bromoacetic acid + dibromoacetic acid	250 mL	2	1
24M28A.2 - Clean water - sent in October 2024 - Refrigerated parcel			
bromoacetic acid, bromochloroacetic acid, bromodichloroacetic acid, chloroacetic acid, dibromoacetic acid, dibromochloroacetic acid, dichloroacetic acid, tribromoacetic acid, trichloroacetic acid, sum of the 5 haloacetic acids: chloroacetic acid + dichloroacetic acid + trichloroacetic acid + bromoacetic acid + dibromoacetic acid	250 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of clean water. The analyses have to be carried out with the reconstituted samples.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

haloacetic acids

analyse upon receipt

## PROGRAMME 29A: EPICHLOROHYDRIN IN FRESH WATERS

*The materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.*



€ 187 excl. VAT - total amount for 2 tests (excluding transport costs)

23 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M29A.1 - Clean water - sent in April 2024 - Refrigerated parcel			
epichlorohydrin	100 mL	2	1
24M29A.2 - Natural water - sent in December 2024 - Refrigerated parcel			
epichlorohydrin	100 mL	2	1

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

epichlorohydrin	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 52: AOX IN WATERS



€ 334 excl. VAT - total amount for 4 tests (excluding transport costs)

40 participants in 2023 - EXPERIENCE > 20 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 45 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M52.1 - Clean water - sent in January 2024 - Refrigerated parcel			
AOX	500 mL	2	2
24M52.2 - Waste water - sent in July 2024 - Refrigerated parcel			
AOX, SPE-AOX <sup>[1]</sup>	500 mL	2	2
24M52.3 - Clean water - sent in September 2024 - Refrigerated parcel			
AOX	500 mL	2	2
24M52.4 - Waste water - sent in November 2024 - Refrigerated parcel			
AOX, SPE-AOX <sup>[1]</sup>	500 mL	2	2
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

AOX, SPE-AOX	D <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 54: TOXINS OF CYANOBACTERIA IN FRESH WATERS



€ 1680 excl. VAT - total amount for 2 tests (excluding transport costs)

18 participants in 2023 - EXPERIENCE > 15 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 420 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M54.1 - Natural water - sent in March 2024 - Refrigerated parcel			
microcystin-LR, microcystin-RR, microcystin-YR microcystins by ELISA <sup>[1]</sup> test	1000 mL	2	2
24M54.2 - Natural water - sent in August 2024 - Refrigerated parcel			
microcystin-LR, microcystin-RR, microcystin-YR microcystins by ELISA <sup>[1]</sup> test	1000 mL	2	2
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

microcystin-LR, microcystin-RR, microcystin-YR microcystins by ELISA test	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 55: GLYPHOSATE, AMPA AND OTHER HERBICIDES IN FRESH WATERS

The materials are suitable for the check of analyses in clear freshwaters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 448 excl. VAT - total amount for 2 tests (excluding transport costs)

30 participants in 2023 - EXPERIENCE > 15 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 115 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M55.1 - Clean water - sent in February 2024 - Refrigerated parcel			
AMPA, aminotriazole, glufosinate, glyphosate	1000 mL	2	2
24M55.2 - Clean water - sent in August 2024 - Refrigerated parcel			
AMPA, aminotriazole, glufosinate, glyphosate	1000 mL	2	2

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

AMPA, aminotriazole, glufosinate, glyphosate	D <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 57: PHARMACEUTICALS IN FRESH WATERS

The materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 823 excl. VAT -total amount for 2 tests (excluding transport costs)

34 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 210 excl. VAT (excluding transport costs)

**New:** 17-beta-estradiol

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M57.1 - Clean water - sent in February 2024 - Refrigerated parcel			
1-hydroxy ibuprofen <sup>[1]</sup> , 17-beta-estradiol <sup>[1]</sup> , 2-hydroxy ibuprofen <sup>[1]</sup> , acetazolamide <sup>[1]</sup> , caffeine, cyclophosphamide, erythromycin, estrone, ethynylestradiol, fenofibric acid, ibuprofen, lorazepam, metformin, metoprolol, metronidazole, oxazepam, paracetamol, sotalol, sulfamethazine, sulfamethoxazole	1000 mL	2	2
1,7-dimethylxanthine <sup>[1]</sup> , acetylsalicylic acid <sup>[1]</sup> , atenolol, carbamazepine, carbamazepine epoxide, carboxyibuprofen <sup>[1]</sup> , ciprofloxacin, cotinine, diazepam, diclofenac, ketoprofen, niflumic acid, norethindrone, ofloxacin, tramadol, triclocarban	1000 mL	2	2
24M57.2 - Natural water - sent in August 2024 - Refrigerated parcel			
1-hydroxy ibuprofen <sup>[1]</sup> , 17-beta-estradiol <sup>[1]</sup> , 2-hydroxy ibuprofen <sup>[1]</sup> , acetazolamide <sup>[1]</sup> , caffeine, cyclophosphamide, erythromycin, estrone, ethynylestradiol, fenofibric acid, ibuprofen, lorazepam, metformin, metoprolol, metronidazole, oxazepam, paracetamol, sotalol, sulfamethazine, sulfamethoxazole	1000 mL	2	2
1,7-dimethylxanthine <sup>[1]</sup> , acetylsalicylic acid <sup>[1]</sup> , atenolol, carbamazepine, carbamazepine epoxide, carboxyibuprofen <sup>[1]</sup> , ciprofloxacin, cotinine, diazepam, diclofenac, ketoprofen, niflumic acid, norethindrone, ofloxacin, tramadol, triclocarban	1000 mL	2	2
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			



## PARTICULARITIES



You will receive two concentrated solutions in addition to the bottles of water. The analyses have to be carried out with the reconstituted samples.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Pharmaceuticals

analyse upon receipt

## PROGRAMME 58: BISPHENOL A AND S IN FRESH WATERS

The materials are suitable for the check of analyses in public distribution waters, spring waters and non-atypical natural mineral water.



€ 207 excl. VAT - total amount for 2 tests (excluding transport costs)

23 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M58.1 - Clean water - sent in April 2024 - Refrigerated parcel			
bisphenol A, bisphenol S	1000 mL	2	1
24M58.2 - Clean water - sent in August 2024 - Refrigerated parcel			
bisphenol A, bisphenol S	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of clean water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

bisphenol A, bisphenol S	D <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 59: PERFLUORINATED COMPOUNDS IN FRESH WATERS



€ 484 excl. VAT - total amount for 2 tests (excluding transport costs)

45 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 125 excl. VAT (excluding transport costs)

**New:** sum of the 20 perfluorinated compounds

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M59.1 - Natural water - sent in May 2024 - Refrigerated parcel			
PFBA [CAS 375-22-4], PFBS <sup>[1]</sup> [CAS 375-73-5], PFDA [CAS 335-76-2], PFDS [CAS 335-77-3], PFDODA [CAS 307-55-1] (=PFDaA), PFDODS <sup>[1]</sup> [CAS 79780-39-5], PFHpA [CAS 375-85-9], PFHpS <sup>[1]</sup> [CAS 375-92-8], PFHxA [CAS 307-24-4], PFHxS - linear isomer [CAS 355-46-4] (=PFHS), PFNA [CAS 375-95-1], PFNS [CAS 68259-12-1], PFOA [CAS 335-67-1], PFOS - linear isomer [CAS 1763-23-1], PFPeA [CAS 2706-90-3], PFPeS [CAS 2706-91-4], PFTTrDA [CAS 72629-94-8], PFTTrDS <sup>[1]</sup> [CAS 791563-89-8], PFUnDA [CAS 2058-94-8], PFUnDS <sup>[1]</sup> [CAS 749786-16-1] Sum of the 20 perfluorinated compounds <sup>[1]</sup>	1000 mL	2	1
24M59.2 - Natural water - sent in September 2024 - Refrigerated parcel			
PFBA [CAS 375-22-4], PFBS <sup>[1]</sup> [CAS 375-73-5], PFDA [CAS 335-76-2], PFDS [CAS 335-77-3], PFDODA [CAS 307-55-1] (=PFDaA), PFDODS <sup>[1]</sup> [CAS 79780-39-5], PFHpA [CAS 375-85-9], PFHpS <sup>[1]</sup> [CAS 375-92-8], PFHxA [CAS 307-24-4], PFHxS - linear isomer [CAS 355-46-4] (=PFHS), PFNA [CAS 375-95-1], PFNS [CAS 68259-12-1], PFOA [CAS 335-67-1], PFOS - linear isomer [CAS 1763-23-1], PFPeA [CAS 2706-90-3], PFPeS [CAS 2706-91-4], PFTTrDA [CAS 72629-94-8], PFTTrDS <sup>[1]</sup> [CAS 791563-89-8], PFUnDA [CAS 2058-94-8], PFUnDS <sup>[1]</sup> [CAS 749786-16-1] Sum of the 20 perfluorinated compounds <sup>[1]</sup>	1000 mL	2	1
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

## PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of natural water. The analyses have to be carried out with the reconstituted samples.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Perfluorinated compounds

D<sub>0</sub>+17

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 64: PAHs AND PCBs IN FRESH WATERS

The materials are suitable for the control of public drinking waters, spring waters and non-atypical natural mineral waters.



€ 838 excl. VAT - total amount for 2 tests (excluding transport costs)

53 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 210 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M64.1 - Clean water - sent in January 2024 - Refrigerated parcel			
PAHs: 2-methylfluoranthene, 2-methylnaphtalene, acenaphtene, acenaphtylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3 - cd]pyrene, naphtalene, phenanthrene, pyrene	1000 mL	2	1
PCBs: PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PCB 194	1000 mL	2	1
24M64.2 - Clean water - sent in June 2024 - Refrigerated parcel			
PAHs: 2-methylfluoranthene, 2-methylnaphtalene, acenaphtene, acenaphtylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3 - cd]pyrene, naphtalene, phenanthrene, pyrene	1000 mL	2	1
PCBs: PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, PCB 194	1000 mL	2	1

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

PAHs, PCBs	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 65A: PESTICIDES AND DEGRADATION RESIDUES - LIST 1 - IN FRESH WATERS

The materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 514 excl. VAT - total amount for 2 tests (excluding transport costs)

48 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 130 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter*
	Volume	Number	
24M65A.1 - Clean water - sent in March 2024 - Refrigerated parcel			
Pesticides and degradation residues - list 1	1000 mL	4	1
24M65A.2 - Natural water - sent in October 2024 - Refrigerated parcel			
Pesticides and degradation residues - list 1	1000 mL	4	1

### PARTICULARITIES



#### Particularity of the test design:

\*You have 2L of sample (2 bottles of 1L) to carry out one measurement of all the parameters.  
You will receive a concentrated solution in addition to the bottles of water. **The analyses have to be carried out with the reconstituted samples.**

**Pesticides and degradation residues - list 1:** 2,4'-DDD , 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, acclonifen, alachlor, aldrin, alpha-endosulfan, alpha-HCH, anthraquinone, beta-endosulfan, beta-HCH, bifenox, chlordane (total), chlordecone, chlorfenvinphos, chlormephos, chlorpropham, chlorpyrifos-ethyl, chlorpyrifos-methyl, cis-chlordane (CAS 5103-71-9), cypermethrin, delta-HCH, deltamethrin, demeton-O<sup>[1]</sup>, diazinon, dichlorvos, diclofop methyl, dieldrin, endosulfan (total), endrin, epsilon HCH, ethion, ethofumesate, ethoprophos, fenitrothion, fenvalerate, flurochloridone, HCH total (sum of isomers alpha+beta+gamma+delta), heptachlorepoxycide (total), heptachlorepoxycide endo trans, heptachlorepoxycide exo cis, heptachlor, ioxynil octanoate, iprodione, isodrin, lambda-cyhalothrin, lindane (gamma-HCH), malathion, oxadiazon, parathion-ethyl, parathion-methyl, pendimethalin, piperonyl butoxyde, procymidone, pyrimiphos-methyl, quinoxifen, trans-chlordane (CAS 5103-74-2), tributyl phosphate, trifluralin

<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

diclofop methyl, procymidone	D <sub>0</sub> +1
Pesticides and degradation residues - list 1, except diclofop methyl, procymidone	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 65B: PESTICIDES AND DEGRADATION RESIDUES - LIST 2 - IN FRESH WATERS

*The materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.*



€ 545 excl. VAT - total amount for 2 tests (excluding transport costs)

54 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 140 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter*
	Volume	Number	
24M65B.1 - Clean water - sent in March 2024 - Refrigerated parcel			
Pesticides and degradation residues - list 2	1000 mL	4	1
24M65B.2 - Natural water - sent in October 2024 - Refrigerated parcel			
Pesticides and degradation residues - list 2	1000 mL	4	1

### PARTICULARITIES

\* **Particularity of the test design:** You have 2L of sample (2 bottles of 1L) to carry out one measurement of all the parameters.

**Pesticides and degradation residues - list 2:** 2,4-D, MCPA, 2,6-dichlorobenzamide, 2-hydroxyatrazine, acetochlor, ametryn, atrazine, azoxystrobin, bentazon, boscalid, bromacil, carbendazim, carbofuran, chloridazone, chlortoluron, clomazone, cyanazine, cyproconazole, cyprodinil, deisopropylatrazine, desethylatrazine, desethylterbuthylazine, dichlorprop, difenoconazole, diflufenicanil, dimethachlor, dimethenamid, dimethomorph, diuron, epoxiconazole, fenpropidin, flusilazole, hexaconazole, hexazinone, imidaclopride, isoproturon, isoproturon-didemethyl (= IPPU), kresoxim-methyl, lenacil, linuron, mecoprop (= MCPP), metamitron, metazachlor, methabenzthiazuron, methomyl, metobromuron, metolachlor, metoxuron, metribuzin, monuron, napropamide, oxadixyl, prometryn, propachlor, propazine, propiconazole, propyzamide, pyrimethanil, simazine, tebuconazole, terbutryn, terbuthylazine, terbutryn, tetraconazole, tolyltrialazole

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Pesticides and degradation residues - list 2	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 65C: PESTICIDES AND DEGRADATION RESIDUES - LIST 3 - IN FRESH WATERS

The materials are suitable for the check of the analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 458 excl. VAT - total amount for 2 tests (excluding transport costs)

46 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 115 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter*
	Volume	Number	
24M65C.1 - Clean water - sent in April 2024 - Refrigerated parcel			
Pesticides and degradation residues - list 3	1000 mL	4	1
24M65C.2 - Natural water - sent in November 2024 - Refrigerated parcel			
Pesticides and degradation residues - list 3	1000 mL	4	1

### PARTICULARITIES

\* **Particularity of the test design:** You have 2L of sample (2 bottles of 1L) to carry out one analysis of all the parameters.

**Pesticides and degradation residues - list 3:** 1-(3,4-dichlorophenyl)-3-methylurea (= demethyl diuron), asulame, atrazine 2-hydroxy-desethyl, atrazine deisopropyl desethyl, benfluralin, benzotriazole, bromoxynil, cybutryn, cymoxanil, dicamba, dichlormid, dimethoate, dinoterbe, ethidimuron, fenarimol, fenoxycarb, fipronil, flonicamid, florasulam, fludioxonil, flufenacet (=thiafluamide), fluroxypyr, flurtamone, foramsulfuron, fosthiazate, hydroxyterbuthylazine, imazalil, imazamox, iodosulfuron-methyl, ioxynil, isoxaflutole, mercaptodimethur (= methiocarb), mesosulfuron-methyl, mesotrione, metaldehyde, metconazole, metsulfuron methyl, nicosulfuron, omethoate, oryzalin, picloram, pirimicarb, prochloraz, propamocarb, propham, prosulfocarb, prosulfuron, quinmerac, rimsulfuron, spiroxamine, sulcotrione, sulfosulfuron, tebutame, terbumeton desethyl, thiabendazole, thiamethoxam, thifensulfuron methyl, triadimenol, triclopyr, triclosan, trinexapac-ethyl

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

isoxaflutole, fenoxycarb	D <sub>0</sub> +1
Pesticides and degradation residues - list 3, except isoxaflutole, fenoxycarb	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 65D: PESTICIDES AND DEGRADATION RESIDUES - LIST 4 - IN FRESH WATERS

The materials are suitable for the control of public drinking waters, spring waters and non-atypical natural mineral waters.



€ 261 excl. VAT - total amount for 2 tests (excluding transport costs)

26 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M65D.1 - Clean water - sent in April 2024 - Refrigerated parcel			
beclubutamid, benoxacor, bixafen, cadusafos, clethodim, daminozide, dichlobenil, fipronil sulfone, galaxolide, maleic hydrazide, N-butylbenzenesulfonamide (NBBS), N,N-dimethyl-N'-P-tolylsulphamide (DMST), triflurosulfuron-methyl	1000 mL	2	1
chlormequat, diquat, fosetyl aluminium, mepiquat, paraquat	250 mL	2	1
24M65D.2 - Clean water - sent in December 2024 - Refrigerated parcel			
beclubutamid, benoxacor, bixafen, cadusafos, clethodim, daminozide, dichlobenil, fipronil sulfone, galaxolide, maleic hydrazide, N-butylbenzenesulfonamide (NBBS), N,N-dimethyl-N'-P-tolylsulphamide (DMST), triflurosulfuron-methyl	1000 mL	2	1
chlormequat, diquat, fosetyl aluminium, mepiquat, paraquat	250 mL	2	1

### PARTICULARITIES

Some molecules are analysed by few laboratories. If the number of results is lower than 8, the assigned value will be the spiking value and the standard deviation for proficiency assessment will be determined from reproducibility values observed during previous tests.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Pesticides and degradation residues – list 4

analyse upon receipt

## PROGRAMME 65E: PARABENS IN FRESH WATERS

The materials are suitable for the check of analyses in freshwaters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 213 excl. VAT - total amount for 2 tests (excluding transport costs)

10 participants in 2023 - EXPERIENCE: 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M65E.1 - Clean water - sent in February 2024 - Refrigerated parcel			
ethylparaben, methylparaben, propylparaben	1000 mL	2	2
24M65E.2 - Natural water - sent in October 2024 - Refrigerated parcel			
ethylparaben, methylparaben, propylparaben	1000 mL	2	2

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

ethylparaben, methylparaben, propylparaben

analyse upon receipt

## PROGRAMME 65F: PESTICIDES AND DEGRADATION RESIDUES - LIST 5 - IN FRESH WATERS

The materials are suitable for the control of fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 769 HT -total amount for 2 tests (excluding transport costs)

41 participants in 2023 - EXPERIENCE: 2 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 225 excl. VAT for 24M65F.1 and € 162 excl. VAT for 24M65F.2 (excluding transport costs)

Parameters to analyse <i>(implemented once during the year and in 2 deliveries)</i>	Bottle		Number of measurements per parameter
	Volume	Number	
24M65F.1 - Clean water - sent in January 2024 - Refrigerated parcel			
Pesticides and degradation residues - <a href="#">list 5.1</a>	1000 mL	4*	1
24M65F.2 - Clean water - sent in June 2024 - Refrigerated parcel			
Pesticides and degradation residues - <a href="#">list 5.2</a>	1000 mL	4	1

### PARTICULARITIES



**PAY ATTENTION:** the list of parameters to analyse in the test 24M65F.1 (list 5.1) is different from that provided in the test 24M65F.2 (list 5.2). See details of the parameters below.

**\* Particularity of the test design for 24M65F.1:** You have 2L of sample (2 bottles of 1L) to carry out one measurement of all the parameters.

#### Test 24M65F.1 - Pesticides and degradation residues - list 5.1:

2,4,5-T, 2,4-DB<sup>[1]</sup>, 2,4-MCPB (MCPB), 3-hydroxy-carbofuran, acetamiprid, aldicarb, amidosulfuron, benalaxyl, bromuconazole, bupirimate, carbaryl, carbetamide, carboxine, carfentrazone-ethyl, chlorantraniliprole, chlorbromuron, chloridazone desphenyl<sup>[1]</sup>, chloridazone methyl desphenyl, chlorothalonil (daconil or tetrachloroisophthalonitrile), chlorothalonil SA (chlorothalonil-M-R417888), chlorothalonil-4-hydroxy (chlorothalonil-M-R182281), chlorothalonil-M-R471811, chloroxuron, clothianidin<sup>[1]</sup>, cycloxydim<sup>[1]</sup>, desmethylisoproturon (1-(4-isopropylphenyl)-3-methylurea or IPU-1CH3), desmetryn, didemethyldiuron (3,4-DCPU or DCPU or 3,4-dichlorophenylurea), diflubenzuron (difluron), dimefuron, dinoseb (DNBP), fenbuconazole, fenpropimorph, fenuron (PDU), flazasulfuron (shibagen), fluazifop<sup>[1]</sup>, fluazifop-P-butyl<sup>[1]</sup>, fluoxastrobine, fluquinconazole, flutriafol, iprovalicarb, isoxaben, metalaxyl, monolinuron, myclobutanil, norflurazon, paclobutrazole, penconazole, pencycuron, picoxystrobine, pinoxaden, propanil (3,4-DCPA or DCPA), propoxur, pyraclostrobine, pyroxsulame, quintozone<sup>[1]</sup> (terrachlor or pentachloronitrobenzene PCNB), sebuthylazine, simazine-hydroxy<sup>[1]</sup>, tebufenozide, thiacloprid, triallate<sup>[1]</sup>, triasulfuron, tribenuron-methyl (tribenuron), trifloxystrobine, tritosulfuron (biathlon), vinclozolin, zoxamide (zoxium)

<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)

**Test 24M65F.2 - Pesticides and degradation residues - list 5.2:**

acifluorfen<sup>[1]</sup>, aldicarb-sulfone<sup>[1]</sup>, aldicarb-sulfoxide<sup>[1]</sup>, atrazine deisopropyl 2-hydroxy<sup>[1]</sup>, buturon<sup>[1]</sup>, clodinafop-propargyl<sup>[1]</sup>, clopyralid<sup>[1]</sup>, cloquintocet-mexyl<sup>[1]</sup>, desmethyl-norflurazon<sup>[1]</sup>, diethofencarb<sup>[1]</sup>, fluxapyroxad<sup>[1]</sup>, imazametabenz<sup>[1]</sup>, imazamethabenz-methyl<sup>[1]</sup>, mepanipyrim<sup>[1]</sup> (mepanipyr), methoxyfenozide<sup>[1]</sup>, metrafenone<sup>[1]</sup>, molinate<sup>[1]</sup>, neburon<sup>[1]</sup>, N,N-Dimethylsulfamide<sup>[1]</sup> (DMS), oxamyl<sup>[1]</sup>, prometon<sup>[1]</sup>, secbumeton<sup>[1]</sup>, simetryn<sup>[1]</sup>, spirotetramat<sup>[1]</sup>, tebuthiuron<sup>[1]</sup>, terbuthylazine<sup>[1]</sup> desethyl-2-hydroxy<sup>[1]</sup>, triadimefon<sup>[1]</sup>, triflumuron<sup>[1]</sup>, triticonazole<sup>[1]</sup>

<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)

**Recommended period to start the sample treatment (PRDT):**

time interval during which the quality of test materials is optimal (in number of days)

clodinafop-propargyl, cloquintocet-mexyl, desmethylisoproturon, fluazifop, fluazifop-P-butyl, sebuthylazine, vinclozolin	D <sub>0</sub> +1
Pesticides and degradation residues - list 5.1 and 5.2, except clodinafop-propargyl, cloquintocet-mexyl, desmethylisoproturon, fluazifop, fluazifop-P-butyl, sebuthylazine, vinclozolin	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 65G: PESTICIDES AND DEGRADATION RESIDUES - LIST 6 - IN FRESH WATERS

The materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 146 excl. VAT - total amount for 1 test (excluding transport costs)

28 participants in 2023 - EXPERIENCE: 2 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 75 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M65G.1 - Clean water - sent in April 2024 - Refrigerated parcel			
Pesticides and degradation residues - list 6	1000 mL	2	1

### PARTICULARITIES

#### Pesticides and degradation residues - list 6:

Azinphos-ethyl, azinphos-methyl, bifenthrine, bromophos-ethyl, bromophos-methyl, cyfluthrine, dicofol<sup>[1]</sup> (kelthane), endosulfan sulfate, ethephon<sup>[1]</sup>, fenpropathrine, fenthion, fonofos, isofenphos, methidathion, methoxychlor (DMDT or methoxy-DDT), mevinphos (phosdrin or duraphos), oxychlordane, oxyfluorfen, permethrin<sup>[1]</sup>, pethoxamid, phosalone<sup>[1]</sup> (benzphos or zolone), pyrimiphos-ethyl, sulfotep<sup>[1]</sup>, terbuphos<sup>[1]</sup>, triazophos, vamidothion

<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

dicofol, endosulfan sulfate, ethephon, methoxychlor, permethrin, phosalone, terbuphos	D <sub>0</sub> +1
azinphos-ethyl, azinphos-methyl, bifenthrine, bromophos-ethyl, bromophos-methyl, cyfluthrine, fenpropathrine, fenthion, fonofos, isofenphos, méthidathion, mevinphos, oxychlordane, oxyfluorfen, pethoxamid, pyrimiphos-ethyl, sulfotep, triazophos, vamidothion	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 67: ACRYLAMIDE IN FRESH WATERS

*The materials are suitable for the check of analyses in fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.*



**190 € excl. VAT** - total amount for 2 tests (excluding transport costs)

**18 participants** in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): **50 € excl. VAT** (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M67.1 - Clean water - sent in April 2024 - Refrigerated parcel			
acrylamide	1000 mL	2	2
24M67.2 - Natural water - sent in September 2024 - Refrigerated parcel			
acrylamide	1000 mL	2	2

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

acrylamide	D <sub>0</sub> + <b>17</b>
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 69: METABOLITES OF CHLOROACETAMIDES IN FRESH WATERS

The materials are suitable for the check of fresh waters, public drinking waters, spring waters and non-atypical natural mineral waters.



€ 390 excl. VAT - total amount for 2 tests (excluding transport costs)

28 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 100 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M69.1 - Clean water - sent in April 2024 - Refrigerated parcel			
Acetochlor ESA, Acetochlor OXA, Alachlor ESA, Alachlor OXA, Dimethachlor CGA 369873, Dimethachlor ESA (Dimethachlor CGA 354742), Dimethachlor OXA, Dimethenamid ESA , Dimethenamid OXA, Flufenacet ESA , Flufenacet OXA, Metazachlor ESA, Metazachlor OXA, Metolachlor ESA, Metolachlor NOA 413173, Metolachlor OXA, Propachlor ESA <sup>[1]</sup> , Propachlor OXA <sup>[1]</sup>	1000 mL	2	1
24M69.2 - Natural water - sent in December 2024 - Refrigerated parcel			
Acetochlor ESA, Acetochlor OXA, Alachlor ESA, Alachlor OXA, Dimethachlor CGA 369873, Dimethachlor ESA (Dimethachlor CGA 354742), Dimethachlor OXA, Dimethenamid ESA , Dimethenamid OXA, Flufenacet ESA , Flufenacet OXA, Metazachlor ESA, Metazachlor OXA, Metolachlor ESA, Metolachlor NOA 413173, Metolachlor OXA, Propachlor ESA <sup>[1]</sup> , Propachlor OXA <sup>[1]</sup>	1000 mL	2	1
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Metabolites of chloroacetamides	D <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 66: THMs IN SWIMMING POOL WATERS



€ 172 excl. VAT - total amount for 2 tests (excluding transport costs)

48 participants in 2023 - EXPERIENCE: 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 45 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M66.1 - Swimming pool water - sent in May 2024 - Refrigerated parcel			
bromoform, chloroform, dibromochloromethane, dichlorobromomethane, trihalomethanes (THMs)	100 mL	2	1
24M66.2 - Swimming pool water - sent in October 2024 - Refrigerated parcel			
bromoform, chloroform, dibromochloromethane, dichlorobromomethane, trihalomethanes (THMs)	100 mL	2	1

### PARTICULARITIES

**THMs (= trihalomethanes):**

sum of the contents of chloroform + bromoform + dichlorobromomethane + dibromochloromethane

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

bromoform, chloroform, dibromochloromethane, dichlorobromomethane, trihalomethanes (THMs)	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 92: BTEX AND VOC IN ATYPICAL AND NON-ATYPICAL NATURAL MINERAL WATERS

*Non-atypical mineral waters: flat mineral water with dry residue content at 180°C < 1500 mg/L*

*Atypical mineral waters: flat mineral waters with dry residue content at 180°C > 1500 mg/L or carbogaseous waters with CO<sub>2</sub> > 250 mg/L*



€ 537 excl. VAT - total amount for 2 tests (excluding transport costs)

17 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 135 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M92.1 - sent in June 2024 - Refrigerated parcel			
Non-atypical mineral water			
BTEX: benzene, toluene, total xylenes, xylene ortho, xylene para + xylene meta, ethylbenzene	60 mL	2	1
VOC: 1,2-dichloroethane, bromoform, chloroform, dibromochloromethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, trihalomethanes (THMs)*, vinyl chloride	60 mL	2	1
Carbogaseous water (sparkling water)			
BTEX: benzene, toluene, total xylenes, xylene ortho, xylene para + xylene meta, ethylbenzene	60 mL	2	1
VOC: 1,2-dichloroethane, bromoform, chloroform, dibromochloromethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, trihalomethanes (THMs)*, vinyl chloride	60 mL	2	1
24M92.2 - sent in November 2024 - Refrigerated parcel			
Non-atypical mineral water			
BTEX: benzene, toluene, total xylenes, xylene ortho, xylene para + xylene meta, ethylbenzene	60 mL	2	1
VOC: 1,2-dichloroethane, bromoform, chloroform, dibromochloromethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, trihalomethanes (THMs)*, vinyl chloride	60 mL	2	1
Highly mineralised mineral water			
BTEX: benzene, toluene, total xylenes, xylene ortho, xylene para + xylene meta, ethylbenzene	60 mL	2	1
VOC: 1,2-dichloroethane, bromoform, chloroform, dibromochloromethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, trihalomethanes (THMs)*, vinyl chloride	60 mL	2	1

\*THM (= trihalomethanes): sum of contents in chloroform + bromoform + dichlorobromomethane + dibromochloromethane.

#### PARTICULARITIES

The first proficiency test will concern non-atypical mineral waters and carbogaseous waters.  
The second proficiency test will concern non-atypical mineral waters and highly mineralised waters.

**‘Health approval’:** this specific programme provides **concentration levels appropriate for atypical and non-atypical mineral waters.**

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

BTEX  
VOC

D<sub>0</sub>+3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 4E: VOLATILE ORGANOHALOGENS AND BENZENE DERIVATIVES IN WASTE WATERS



€ 565 excl. VAT - total amount for 1 test (excluding transport costs)

35 participants in 2023 – EXPERIENCE: 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 285 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M4E.1 - Waste water - sent in January 2024 - Refrigerated parcel			
BTEX: benzene, ethylbenzene, isopropylbenzene, toluene, xylene ortho, xylene para + xylene meta, total xylenes	60 mL	2	1
VOHs: 1,2-dichloroethane, bromoform, chloroform, dibromochloromethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, vinyl chloride	60 mL	2	1
chlorobenzenes - light: 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, chlorobenzene, dichlorobenzenes (sum of the 3 isomers) chlorotoluenes: 2-chlorotoluene, 3-chlorotoluene, 4-chlorotoluene, chlorotoluenes (sum of the 3 isomers), VOHs: 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethylene, 1,2-dichloroethylene (cis+trans), 1,2-dichloroethylene cis, 1,2-dichloroethylene trans, 3-chloroprene (3-chloropropene), carbon tetrachloride, chloroprene, dichloromethane, hexachlorobutadiene, hexachloroethane	100 mL	2	1
hexachlorobutadiene nitro-aromatics: 1-chloro-2-nitrobenzene, 1-chloro-3-nitrobenzene, 1-chloro-4-nitrobenzene, 2-nitrotoluene, nitrobenzene chlorobenzenes: 1,2,4,5-tetrachlorobenzene, tetrachlorobenzenes (sum of the 3 isomers), 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, trichlorobenzenes (sum of the 3 isomers), hexachlorobenzene, pentachlorobenzene	1000 mL	2	1

## PARTICULARITIES



For the group of parameter: chlorobenzenes and nitro-aromatics, you will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.



### Other recommended proficiency tests:

🔗 **Programme 4Eb** 'Volatile organohalogenes and benzene derivatives in waste waters at low concentration levels - **'Environmental approval'** (contact us for the concentration ranges).

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

nitro-aromatics	analyse upon receipt
chlorobenzenes	D <sub>0</sub> +3
hexachlorobutadiene	D <sub>0</sub> +3
BTEX VOHs chlorobenzenes - light chlorotoluenes	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 4Eb: VOLATILE ORGANOHALOGENS AND BENZENE DERIVATIVES IN WASTE WATERS AT LOW CONCENTRATION LEVELS



€ 317 excl. VAT - total amount for 1 test (excluding transport costs)

34 participants in 2023 - EXPERIENCE: 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 160 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M4Eb.1 - Waste water - sent in October 2024 - Refrigerated parcel			
<b>BTEX:</b> benzene, ethylbenzene, isopropylbenzene, toluene, xylene ortho, xylene para + xylene meta, total xylenes	60 mL	2	1
<b>VOHs:</b> 1,2-dichloroethane, bromoform, chloroform, dibromochloromethane, dichlorobromomethane, tetrachloroethylene, trichloroethylene, vinyl chloride	60 mL	2	1
<b>chlorobenzenes - light:</b> 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene, chlorobenzene, dichlorobenzenes (sum of the 3 isomers) <b>chlorotoluenes:</b> 2-chlorotoluene, 3-chlorotoluene, 4-chlorotoluene, chlorotoluenes (sum of the 3 isomers), <b>VOHs:</b> 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, 1,1,2-trichloroethane, 1,1-dichloroethane, 1,1-dichloroethylene, 1,2-dichloroethylene (cis+trans), 1,2-dichloroethylene cis, 1,2-dichloroethylene trans, 3-chloroprene (3-chloropropene), carbon tetrachloride, chloroprene, dichloromethane, hexachlorobutadiene, hexachloroethane	100 mL	2	1
hexachlorobutadiene <b>nitro-aromatics:</b> 1-chloro-2-nitrobenzene, 1-chloro-3-nitrobenzene, 1-chloro-4-nitrobenzene, 2-nitrotoluene, nitrobenzene <b>chlorobenzenes:</b> 1,2,4,5-tetrachlorobenzene, tetrachlorobenzenes (sum of the 3 isomers), 1,2,3-trichlorobenzene, 1,2,4-trichlorobenzene, 1,3,5-trichlorobenzene, trichlorobenzenes (sum of the 3 isomers), hexachlorobenzene, pentachlorobenzene	1000 mL	2	1



## PARTICULARITIES



For the group of parameters: chlorobenzenes and nitro-aromatics, you will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

**'Environment approval':** this is an additional proficiency test identical to the tests of programme 4E but at low concentration levels to meet the requirements of French legislation (contact us for the concentration ranges).

### Recommended period to start the sample treatment (PRDT): time interval during which the quality of test materials is optimal (in number of days)

nitro-aromatics	analyse upon receipt
chlorobenzenes	D <sub>0</sub> +3
hexachlorobutadiene	D <sub>0</sub> +3
BTEX VOHs chlorobenzenes - light chlorotoluenes	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 4F: METHANOL IN WASTE WATERS

€ 96 excl. VAT - total amount for 1 test (excluding transport costs)

5 participants in 2023 - EXPERIENCE: 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M4F.1 - Waste water - sent in October 2024 - Refrigerated parcel			
methanol	60 mL	2	1

### PARTICULARITIES

It is possible that the number of results reported is not sufficient for statistical processing of the data. In this case, comments on the participants' performance will be included in the report.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

methanol	D <sub>0</sub> +1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 20B: CHLOROPHENOLS IN WASTE WATERS



€ 189 excl. VAT - total amount for 2 tests (excluding transport costs)

22 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M20B.1 - Waste water - sent in January 2024 - Refrigerated parcel			
2-chlorophenol, 3-chlorophenol, 4-chlorophenol, chlorophenols (sum of the 3 isomers), 2,4-dichlorophenol, dichlorophenols (sum of the 6 isomers), 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, trichlorophenols (sum of the 6 isomers), pentachlorophenol, 4-chloro-3-methylphenol	1000 mL	2	1
24M20B.2 - Waste water - sent in May 2024 - Refrigerated parcel			
2-chlorophenol, 3-chlorophenol, 4-chlorophenol, chlorophenols (sum of the 3 isomers), 2,4-dichlorophenol, dichlorophenols (sum of the 6 isomers), 2,4,5-trichlorophenol, 2,4,6-trichlorophenol, trichlorophenols (sum of the 6 isomers), pentachlorophenol, 4-chloro-3-methylphenol	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Chlorophenols

D<sub>0</sub>+10

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 21B: ALKYLPHENOLS IN WASTE WATERS



€ 185 excl. VAT - total amount for 2 tests (excluding transport costs)

18 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M21B.1 - Waste water - sent in January 2024 - Refrigerated parcel			
4-n-nonylphenol [CAS 104-40-5], 4-nonylphenols [CAS 84852-15-3], 4-tert-octylphenol [CAS 140-66-9], nonylphenols (mix of linear or branched), p-(n-octyl)phenol [CAS 1806-26-4], p-octylphenols (mix of isomers) <sup>[1]</sup>	1000 mL	2	1
24M21B.2 - Waste water - sent in May 2024 - Refrigerated parcel			
4-n-nonylphenol [CAS 104-40-5], 4-nonylphenols [CAS 84852-15-3], 4-tert-octylphenol [CAS 140-66-9], nonylphenols (mix of linear or branched), p-(n-octyl)phenol [CAS 1806-26-4], p-octylphenols (mix of isomers) <sup>[1]</sup>	1000 mL	2	1
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Alkylphenols

analyse upon receipt

## PROGRAMME 22B: CHLOROANILINES IN WASTE WATERS



€ 157 excl. VAT - total amount for 2 tests (excluding transport costs)

9 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 40 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M22B.1 - Waste water - sent in January 2024 - Refrigerated parcel			
2-chloroaniline, 3-chloroaniline, 4-chloroaniline, Chloroanilines (sum of the 3 isomers), 3,4-dichloroaniline, 4-chloro-2-nitroaniline	1000 mL	2	1
24M22B.2 - Waste water - sent in May 2024 - Refrigerated parcel			
2-chloroaniline, 3-chloroaniline, 4-chloroaniline, Chloroanilines (sum of the 3 isomers), 3,4-dichloroaniline, 4-chloro-2-nitroaniline	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

For some parameters, it is possible that the number of results reported is not sufficient for statistical processing of the data. In this case, comments on the participants' performance will be included in the report.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Chloroanilines	analyse upon receipt
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## PROGRAMME 23B: ORGANOTIN COMPOUNDS IN WASTE WATERS



€ 187 excl. VAT - total amount for 2 tests (excluding transport costs)

21 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M23B.1 - Waste water - sent in February 2024 - Refrigerated parcel			
monobutyltin cation, dibutyltin cation, tributyltin cation, triphenyltin cation, tetrabutyltin	1000 mL	2	1
24M23B.2 - Waste water - sent in July 2024 - Refrigerated parcel			
monobutyltin cation, dibutyltin cation, tributyltin cation, triphenyltin cation, tetrabutyltin	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Organotin compounds	analyse upon receipt
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## PROGRAMME 24B: BROMINATED DIPHENYL ETHERS IN WASTE WATERS



€ 247 excl. VAT - total amount for 2 tests (excluding transport costs)

11 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M24B.1 - Waste water - sent in February 2024 - Refrigerated parcel			
BDE-28, BDE-47, BDE-99, BDE-100, BDE-153, BDE-154, BDE-183, BDE-209	1000 mL	2	1
24M24B.2 - Waste water - sent in October 2024 - Refrigerated parcel			
BDE-28, BDE-47, BDE-99, BDE-100, BDE-153, BDE-154, BDE-183, BDE-209	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Brominated diphenyl ethers	analyse upon receipt
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## PROGRAMME 24C: HBCDD IN FRESH WATERS AND HBCDD, HBB IN WASTE WATERS



€ 361 excl. VAT - total amount for 2 tests (excluding transport costs)

14 participants in 2023 - EXPERIENCE: 5 YEARS

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M24C.1 - Natural water - sent in April 2024 - Refrigerated parcel			
alpha-HBCDD (alpha-hexabromocyclododecane) beta-HBCDD (beta-hexabromocyclododecane) gamma-HBCDD (gamma-hexabromocyclododecane) total HBCDD (total hexabromocyclododecane)	1000 mL	2	1
24M24C.2 - Waste water - sent in October 2024 - Refrigerated parcel			
total HBCDD (total hexabromocyclododecane) HBB (hexabromobiphenyl) <sup>[1]</sup>	1000 mL	2	1
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of natural water or waste water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

alpha-HBCDD, beta-HBCDD, gamma-HBCDD, total HBCDD, HBB	analyse upon receipt
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## PROGRAMME 25B: BIPHENYL IN WASTE WATERS



€ 213 excl. VAT - total amount for 2 tests (excluding transport costs)

11 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M25B.1 - Waste water - sent in February 2024 - Refrigerated parcel			
biphenyl	1000 mL	2	1
24M25B.2 - Waste water - sent in November 2024 - Refrigerated parcel			
biphenyl	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

biphenyl	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 26B: DEHP IN WASTE WATERS



€ 217 excl. VAT - total amount for 2 tests (excluding transport costs)

16 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M26B.1 - Waste water - sent in February 2024 - Refrigerated parcel			
DEHP (Di(2-ethylhexyl)phthalate)	1000 mL	2	1
24M26B.2 - Waste water - sent in November 2024 - Refrigerated parcel			
DEHP (Di(2-ethylhexyl)phthalate)	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

DEHP	analyse upon receipt
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## PROGRAMME 27B: C10-C13 CHLOROALKANES (SCCPs) IN WASTE WATERS



€ 217 excl. VAT - total amount for 2 tests (excluding transport costs)

7 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M27B.1 - Waste water - sent in March 2024 - Refrigerated parcel			
C10-C13 chloroalkanes	1000 mL	2	1
24M27B.2 - Waste water - sent in October 2024 - Refrigerated parcel			
C10-C13 chloroalkanes	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

It is possible that the number of results reported is not sufficient for statistical processing of the data. In this case, comments on the participants' performance will be included in the report.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

C10-C13 chloroalkanes	analyse upon receipt
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## PROGRAMME 28B: CHLOROACETIC ACID IN WASTE WATERS



€ 185 excl. VAT - total amount for 2 tests (excluding transport costs)

5 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M28B.1 - Waste water - sent in March 2024 - Refrigerated parcel			
chloroacetic acid	250 mL	2	1
24M28B.2 - Waste water - sent in October 2024 - Refrigerated parcel			
chloroacetic acid	250 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

It is possible that the number of results reported is not sufficient for statistical processing of the data. In this case, comments on the participants' performance will be included in the report.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

chloroacetic acid

analyse upon receipt

## PROGRAMME 29B: EPICHLOROHYDRIN IN WASTE WATERS



€ 187 excl. VAT - total amount for 2 tests (excluding transport costs)

7 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M29B.1 - Waste water - sent in April 2024 - Refrigerated parcel			
epichlorohydrin	100 mL	2	1
24M29B.2 - Waste water - sent in December 2024 - Refrigerated parcel			
epichlorohydrin	100 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

epichlorohydrin	analyse upon receipt
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## PROGRAMME 52: AOX IN WATERS



€ 334 excl. VAT - total amount for 4 tests (excluding transport costs)

40 participants in 2023 - EXPERIENCE > 20 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 45 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M52.1 - Clean water - sent in January 2024 - Refrigerated parcel			
AOX	500 mL	2	2
24M52.2 - Waste water - sent in July 2024 - Refrigerated parcel			
AOX, SPE-AOX <sup>[1]</sup>	500 mL	2	2
24M52.3 - Clean water - sent in September 2024 - Refrigerated parcel			
AOX	500 mL	2	2
24M52.4 - Waste water - sent in November 2024 - Refrigerated parcel			
AOX, SPE-AOX <sup>[1]</sup>	500 mL	2	2
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

AOX, SPE-AOX	D <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 55A: GLYPHOSATE, AMPA AND AMINOTRIAZOLE IN WASTE WATERS



€ 442 excl. VAT - total amount for 2 tests (excluding transport costs)

14 participants in 2023 - EXPERIENCE: 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 115 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M55A.1 - Waste water - sent in February 2024 - Refrigerated parcel			
AMPA, aminotriazole, glyphosate	1000 mL	2	2
24M55A.2 - Waste water - sent in August 2024 - Refrigerated parcel			
AMPA, aminotriazole, glyphosate	1000 mL	2	2

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

AMPA, aminotriazole, glyphosate	analyse upon receipt
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## PROGRAMME 59A: PERFLUORINATED COMPOUNDS IN WASTE WATERS



€ 484 excl. VAT - total amount for 2 tests (excluding transport costs)

14 participants in 2023 - EXPERIENCE: 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 125 excl. VAT (excluding transport costs)

**New:** PFBA, PFBS, PFDA, PFDS, PFDoDA (=PFDoA), PFDoDS, PFHpS, PFNA, PFNS, PFPeA, PFPeS, PFTTrDA, PFTTrDS, PFUnDA, PFUnDS

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M59A.1 - Waste water - sent in May 2024 - Refrigerated parcel			
PFBA <sup>[1]</sup> [CAS 375-22-4], PFBS <sup>[1]</sup> [CAS 375-73-5], PFDA <sup>[1]</sup> [CAS 335-76-2], PFDS <sup>[1]</sup> [CAS 335-77-3], PFDoDA <sup>[1]</sup> [CAS 307-55-1] (=PFDoA), PFDoDS <sup>[1]</sup> [CAS 79780-39-5], PFHpA [CAS 375-85-9], PFHpS <sup>[1]</sup> [CAS 375-92-8], PFHxA [CAS 307-24-4], PFHxS - linear isomer [CAS 355-46-4] (=PFHS), PFNA [CAS 375-95-1] <sup>[1]</sup> , PFNS <sup>[1]</sup> [CAS 68259-12-1], PFOA [CAS 335-67-1], PFOS - linear isomer [CAS 1763-23-1], PFPeA <sup>[1]</sup> [CAS 2706-90-3], PFPeS <sup>[1]</sup> [CAS 2706-91-4], PFTrDA <sup>[1]</sup> [CAS 72629-94-8], PFTrDS <sup>[1]</sup> [CAS 791563-89-8], PFUnDA <sup>[1]</sup> [CAS 2058-94-8], PFUnDS <sup>[1]</sup> [CAS 749786-16-1]	1000 mL	2	1
24M59A.2 - Waste water - sent in September 2024 - Refrigerated parcel			
PFBA <sup>[1]</sup> [CAS 375-22-4], PFBS <sup>[1]</sup> [CAS 375-73-5], PFDA <sup>[1]</sup> [CAS 335-76-2], PFDS <sup>[1]</sup> [CAS 335-77-3], PFDoDA <sup>[1]</sup> [CAS 307-55-1] (=PFDoA), PFDoDS <sup>[1]</sup> [CAS 79780-39-5], PFHpA [CAS 375-85-9], PFHpS <sup>[1]</sup> [CAS 375-92-8], PFHxA [CAS 307-24-4], PFHxS - linear isomer [CAS 355-46-4] (=PFHS), PFNA [CAS 375-95-1] <sup>[1]</sup> , PFNS <sup>[1]</sup> [CAS 68259-12-1], PFOA [CAS 335-67-1], PFOS - linear isomer [CAS 1763-23-1], PFPeA <sup>[1]</sup> [CAS 2706-90-3], PFPeS <sup>[1]</sup> [CAS 2706-91-4], PFTrDA <sup>[1]</sup> [CAS 72629-94-8], PFTrDS <sup>[1]</sup> [CAS 791563-89-8], PFUnDA <sup>[1]</sup> [CAS 2058-94-8], PFUnDS <sup>[1]</sup> [CAS 749786-16-1]	1000 mL	2	1
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			



## PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.



### Other recommended proficiency test:

➤ Programme 59B 'AOF in waste waters'

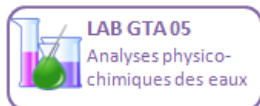
### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Perfluorinated compounds

D<sub>0</sub>+17

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 59B: AOF IN WASTE WATERS

€ 100 excl. VAT - total amount for 1 test (excluding transport costs)

**New**

New in 2024



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Flacon		Number of measurements per parameter and per bottle
	Volume	Number	
24M59B.1 - Waste water - sent in September 2024 - Refrigerated parcel			
AOF (Adsorbable Organic Fluorine)	1000 mL	2	1

### PARTICULARITIES

Test conducted for a minimum of 10 participants.



**Other recommended proficiency tests:**

↳ Le programme 59A 'Perfluorinated compounds in waste waters'

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

AOF	D <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 71: PAHs AND PCBs IN WASTE WATERS



€ 846 excl. VAT - total amount for 2 tests (excluding transport costs)

38 participants in 2023 - EXPERIENCE: 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 215 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M71.1 - Waste water - sent in March 2024 - Refrigerated parcel			
PAHs: 2-methylfluoranthene, 2-methylnaphtalene, acenaphtene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3 - cd]pyrene, naphtalene, phenanthrene, pyrene, acenaphtylene	1000 mL	2	1
PCBs: PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180	1000 mL	2	1
24M71.2 - Waste water - sent in October 2024 - Refrigerated parcel			
PAHs: 2-methylfluoranthene, 2-methylnaphtalene, acenaphtene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3 - cd]pyrene, naphtalene, phenanthrene, pyrene, acenaphtylene	1000 mL	2	1
PCBs: PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180	1000 mL	2	1

Recommended period to start the sample treatment (PRDT): time interval during which the quality of test materials is optimal (in number of days)	
PAHs	D <sub>0</sub> +1
PCBs	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 72A: PESTICIDES AND DEGRADATION RESIDUES - LIST 1 - IN WASTE WATERS



€ 834 excl. VAT - total amount for 2 tests (excluding transport costs)

22 participants in 2023 - EXPERIENCE: 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 210 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter*
	Volume	Number	
24M72A.1 - Waste water - sent in July 2024 - Refrigerated parcel			
2,4'-DDD , 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, aclonifen, alachlor, aldrin, alpha-endosulfan, alpha-HCH, beta-endosulfan, beta-HCH, bifenox, chlordane (total), chlorfenvinphos, chlorpropham, chlorpyriphos-ethyl, cis-chlordane (CAS 5103-71-9), cypermethrin, delta-HCH, diazinon, dichlorvos, dicofol, dieldrin, endosulfan (total), endrin, epsilon HCH, HCH total (= sum of isomers alpha+beta+gamma+delta), heptachlor, heptachlorepoxyde (total), heptachlorepoxyde endo trans, heptachlorepoxyde exo cis, iprodione <sup>[1]</sup> , isodrin, lindane (gamma-HCH), mirex, oxadiazon, pendimethalin, quinoxyfen, trans-chlordane (CAS 5103-74-2), tributyl phosphate, trifluralin	1000 mL	4	1
24M72A.2 - Waste water - sent in November 2024 - Refrigerated parcel			
2,4'-DDD , 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, 4,4'-DDT, aclonifen, alachlor, aldrin, alpha-endosulfan, alpha-HCH, beta-endosulfan, beta-HCH, bifenox, chlordane (total), chlorfenvinphos, chlorpropham, chlorpyriphos-ethyl, cis-chlordane (CAS 5103-71-9), cypermethrin, delta-HCH, diazinon, dichlorvos, dicofol, dieldrin, endosulfan (total), endrin, epsilon HCH, HCH total (= sum of isomers alpha+beta+gamma+delta), heptachlor, heptachlorepoxyde (total), heptachlorepoxyde endo trans, heptachlorepoxyde exo cis, iprodione <sup>[1]</sup> , isodrin, lindane (gamma-HCH), mirex, oxadiazon, pendimethalin, quinoxyfen, trans-chlordane (CAS 5103-74-2), tributyl phosphate, trifluralin	1000 mL	4	1

<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)

#### PARTICULARITIES

**\*Particularity of the test design:** You have 2L of sample (2 bottles of 1L) to carry out one measurement of all the parameters.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Pesticides and degradation residues - list 1 - in waste waters

D<sub>0</sub>+3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 72B: PESTICIDES AND DEGRADATION RESIDUES - LIST 2 - IN WASTE WATERS



€ 480 excl. VAT - total amount for 2 tests (excluding transport costs)

22 participants in 2023 - EXPERIENCE: 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 120 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M72B.1 - Waste water - sent in July 2024 - Refrigerated parcel			
2,4-D, MCPA, atrazine, azoxystrobin, bentazon, boscalid, chlortoluron, cybutryn, cyprodinil, deisopropylatrazine, desethylatrazine, desethylterbuthylazine, diflufenicanil, diuron, imidaclopride, isoproturon, linuron, metaldehyde, metazachlor, nicosulfuron, simazine, tebuconazole, terbuthylazine, terbutryn, thiabendazole	1000 mL	2	1
24M72B.2 - Waste water - sent in November 2024 - Refrigerated parcel			
2,4-D, MCPA, atrazine, azoxystrobin, bentazon, boscalid, chlortoluron, cybutryn, cyprodinil, deisopropylatrazine, desethylatrazine, desethylterbuthylazine, diflufenicanil, diuron, imidaclopride, isoproturon, linuron, metaldehyde, metazachlor, nicosulfuron, simazine, tebuconazole, terbuthylazine, terbutryn, thiabendazole	1000 mL	2	1

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Pesticides and degradation residues - list 2 - in waste waters	D <sub>0</sub> +3
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 73: ALKYLPHENOL ETHOXYLATES IN WASTE WATERS



€ 283 excl. VAT - total amount for 2 tests (excluding transport costs)

14 participants in 2023 - EXPERIENCE 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 75 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M73.1 - Waste water - sent in January 2024 - Refrigerated parcel			
NP1EO - 4-nonylphenol monoethoxylate NP2EO - 4-nonylphenol diethoxylate OP1EO - 4-octylphenol monoethoxylate OP2EO - 4-octylphenol diethoxylate	1000 mL	2	1
24M73.2 - Waste water - sent in July 2024 - Refrigerated parcel			
NP1EO - 4-nonylphenol monoethoxylate NP2EO - 4-nonylphenol diethoxylate OP1EO - 4-octylphenol monoethoxylate OP2EO - 4-octylphenol diethoxylate	1000 mL	2	1

### PARTICULARITIES



You will receive a concentrated solution in addition to the bottles of waste water. The analyses have to be carried out with the reconstituted samples.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

NP1EO - 4-nonylphenol monoethoxylate NP2EO - 4-nonylphenol diethoxylate OP1EO - 4-octylphenol monoethoxylate OP2EO - 4-octylphenol diethoxylate	analyse upon receipt
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## SOLID MATRICES





## PROGRAMME 9: CHEMICAL ANALYSES AND METALS IN SEDIMENTS



€ 344 excl. VAT - total amount for 2 tests (excluding transport costs)

48 participants in 2023 - EXPERIENCE: 25 YEARS



**Quality Control Materials** coming from proficiency tests available  
 € 20 excl. VAT per bottle (excluding transport costs)  
 Materials are available once the test report is issued.

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M9.1 - Sediment - sent in January 2024			
total organic carbon (TOC), Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mn, Mg, Mo, Na, Ni, Pb, pH, Sb, Se, Sn, Ti, Tl, Total Kjeldahl Nitrogen (TKN), Total-P, U, V, Zn, total-C, total-N, dry matter, loss on ignition at 550°C	around 60 g	2	2
24M9.2 - Sediment - sent in July 2024			
total organic carbon (TOC), Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mn, Mg, Mo, Na, Ni, Pb, pH, Sb, Se, Sn, Ti, Tl, Total Kjeldahl Nitrogen (TKN), Total-P, U, V, Zn, total-C, total-N, dry matter, loss on ignition at 550°C	around 60 g	2	2

### PARTICULARITIES



The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.

Please note that laboratories that carry out total dissolution for Al, K and Ti may not be evaluated for lack of a sufficient number of results.



#### Other recommended proficiency test:

↳ **Programme 47** 'Grain size distribution in solid matrices'

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

dry matter, loss on ignition at 550°C	D <sub>0</sub> +17
Ag, Al, As, B, Ba, Be, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Li, Mn, Mg, Mo, Na, Ni, Pb, pH, Sb, Se, Sn, Ti, Tl, Total Kjeldahl Nitrogen (TKN), Total-P, U, V, Zn, total-C, total-N, total organic carbon (TOC)	D <sub>0</sub> +24

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 10: ORGANIC MICROPOLLUTANTS IN SEDIMENTS



€ 537 excl. VAT - total amount for 2 tests (excluding transport costs)

32 participants in 2023 – EXPERIENCE: 25 YEARS



**Quality Control Materials** coming from proficiency tests available  
**€ 20 excl. VAT** per bottle (excluding transport costs)  
 Materials are available once the test report is issued.

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M10.1 - Sediment - sent in March 2024			
PCBs: PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180 Organochlorines: aldrin, dieldrin, heptachlor, heptachlorepoxyde (total), lindane Organophosphorus: diazinon	around 70 g	2	2
PAHs: acenaphtene, acenaphtylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3 - cd]pyrene, 2-methylfluoranthene, 2-methylnaphtalene, naphtalene, phenanthrene, pyrene, Total hydrocarbons index - C10-C40 range Organotin compounds: monobutyltin cation, dibutyltin cation, tributyltin cation, tetrabutyltin, triphenyltin cation	around 100 g	2	2
24M10.2 - Sediment - sent in July 2024			
PCBs: PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180 Organochlorines: aldrin, dieldrin, heptachlor, heptachlorepoxyde (total), lindane Organophosphorus: diazinon	around 70 g	2	2
PAHs: acenaphtene, acenaphtylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3 - cd]pyrene, 2-methylfluoranthene, 2-methylnaphtalene, naphtalene, phenanthrene, pyrene Total hydrocarbons index - C10-C40 range Organotin compounds: monobutyltin cation, dibutyltin cation, tributyltin cation, tetrabutyltin, triphenyltin cation	around 100 g	2	2

#### PARTICULARITIES



The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.

Total hydrocarbons index - C10-C40 range: sum of the concentrations of compounds extractable with a hydrocarbon solvent, boiling point between 36 °C and 69 °C, not adsorbed on Florisil and which may be chromatographed by GC-FID, with retention times between those of n-decane (C10H22) and n-tetracontane (C40H82).



#### Other recommended proficiency test:

↪ **Programme 46** 'Volatile Organic Compounds in solid matrices'

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

PCBs, Organochlorines, Organophosphorus, PAHs,  
total hydrocarbons index - C10-C40 range, Organotin compounds

D<sub>0</sub>+24

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 40: CHEMICAL ANALYSES AND METALS IN RECOVERABLE SEWAGE SLUDGES



€ 497 excl. VAT - total amount for 2 tests (excluding transport costs)

46 participants in 2023 - EXPERIENCE > 25 YEARS



**Quality Control Materials** coming from proficiency tests available for pretreated materials only.

€ 20 excl. VAT per bottle (excluding transport costs).  
Materials are available once the test report is issued.

Parameters to analyse <i>(some parameters are not provided in raw sludge)</i>	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M40.1 - Pretreated sludge - sent in April 2024			
total organic carbon (TOC), Ag, Al, As, B, Ba, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Sum (Cr + Cu + Ni + Zn), Total Kjeldahl Nitrogen (TKN), total-C, total-N, Total-P, Total-S, Ti, V, Zn, dry matter, loss on ignition at 550°C, pH	around 60 g	2	2
24M40.2 - Raw sludge - sent in October 2024			
total organic carbon (TOC), Al, As, B, Ba, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Sum (Cr + Cu + Ni + Zn), Total Kjeldahl Nitrogen (TKN), total-C, total-N, Total-P, Total-S, Zn, dry matter, loss on ignition at 550°C, pH	around 500 g	2	2

### PARTICULARITIES

**LIMITED QUANTITY**

The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.

A.G.L.A.E. provides proficiency tests on the one hand on **raw materials** (to include the part of measurement uncertainty due to the pretreatment phase like in your routine analyses) and on the other hand on **pretreated materials** (to guarantee the presence of all the parameters to analyse and carry out enhanced monitoring on the analytical part of the analysis, predominant source of uncertainty).

- ✓ **Pretreated material:** material dried, crushed and sieved.
- ✓ **Raw material:** material dried, lightly crushed but not sieved. If we are not able to guarantee the presence of all the parameters listed, an evaluation of your results will still be carried out (check of false positives).

<b>Recommended period to start the sample treatment (PRDT):</b> time interval during which the quality of test materials is optimal (in number of days)	
dry matter, loss on ignition at 550°C	D <sub>0</sub> +17
Ag, Al, As, B, Ba, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Sum (Cr + Cu + Ni + Zn), Total Kjeldahl Nitrogen (TKN), total-C, total-N, Total-P, Total-S, Ti, V, Zn, pH, total organic carbon (TOC)	D <sub>0</sub> +24

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 41: ORGANIC MICROPOLLUTANTS IN RECOVERABLE SEWAGE SLUDGES



€ 560 excl. VAT - total amount for 2 tests (excluding transport costs)

23 participants in 2023 - EXPERIENCE > 25 YEARS



**Quality Control Materials** coming from proficiency tests available for pretreated materials only.

€ 20 excl. VAT per bottle (excluding transport costs).  
Materials are available once the test report is issued.

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M41.1 - Pretreated sludge - sent in April 2024			
<b>Dry matter</b> <b>PAHs:</b> acenaphtene, acenaphtylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3 - cd]pyrene, naphtalene, phenanthrene, pyrene <b>PCBs:</b> PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, Sum of PCBs 28, 52, 101, 118, 138, 153, 180	around 100 g	2	2
24M41.2 - Raw sludge - sent in October 2024			
<b>Dry matter</b> <b>PAHs:</b> acenaphtene, acenaphtylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3 - cd]pyrene, naphtalene, phenanthrene, pyrene <b>PCBs:</b> PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180, Sum of PCBs 28, 52, 101, 118, 138, 153, 180	around 400 g of raw sludge	2	2

### PARTICULARITIES



The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.

#### PARTICULARITIES (CONTINUED)

A.G.L.A.E. provides proficiency tests on the one hand on raw materials (to include the part of measurement uncertainty due to the pretreatment phase like in your routine analyses) and on the other hand on pretreated materials (to guarantee the presence of all the parameters to analyse and carry out enhanced monitoring on the analytical part of the analysis, predominant source of uncertainty).

- ✓ **Pretreated material:** material dried, crushed and sieved.
- ✓ **Raw material:** material dried, lightly crushed but not sieved. If we are not able to guarantee the presence of all the parameters listed, an evaluation of your results will still be carried out (check of false positives).

#### Recommended period to start the sample treatment (PRDT): time interval during which the quality of test materials is optimal (in number of days)

Dry matter	D <sub>0</sub> +17
PAHs, PCBs	D <sub>0</sub> +24

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 43: CHEMICAL ANALYSES AND METALS IN CONTAMINATED SITES AND SOILS



€ 297 excl. VAT - total amount for 2 tests (excluding transport costs)

28 participants in 2023 - EXPERIENCE > 10 YEARS



**Quality Control Materials** coming from proficiency tests available for pretreated materials only.

€ 20 excl. VAT per bottle (excluding transport costs).  
Materials are available once the test report is issued.

Parameters to analyse <i>(some parameters are not provided in raw soil)</i>	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M43.1 - Pretreated soil - sent in June 2024			
total organic carbon (TOC), dry matter, Al, As, Ba, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Total-P, Sb Se, Sn, Zn	around 50 g	2	2
24M43.2 - Raw soil - sent in November 2024			
total organic carbon (TOC), dry matter, Al, As, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Na, Ni, Pb, Total-P, Se, Zn	around 500 g of raw soil	2	2

### PARTICULARITIES

**LIMITED QUANTITY**

The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.

Please note that laboratories that carry out total dissolution for Al, K and Ti may not be evaluated for lack of a sufficient number of results.

A.G.L.A.E. provides proficiency tests on the one hand on **raw materials** (to include the part of measurement uncertainty due to the pretreatment phase like in your routine analyses) and on the other hand on **pretreated materials** (to guarantee the presence of all the parameters to analyse and carry out enhanced monitoring on the analytical part of the analysis, predominant source of uncertainty).

- ✓ **Pretreated material:** material dried, crushed and sieved.
- ✓ **Raw material:** material dried, lightly crushed but not sieved. If we are not able to guarantee the presence of all the parameters listed, an evaluation of your results will still be carried out (check of false positives).



#### Other recommended proficiency test:

↳ **Programme 47** 'Grain size distribution in solid matrices

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

dry matter	D <sub>0</sub> +17
Al, As, Ba, Ca, Cd, Co, Cr, Cu, Fe, Hg, K, Mg, Mn, Mo, Na, Ni, Pb, Sb, Se, Sn, Total-P, Zn, total organic carbon (TOC)	D <sub>0</sub> +24

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 44: ORGANIC MICROPOLLUTANTS IN CONTAMINATED SITES AND SOILS



€ 446 excl. VAT - total amount for 2 tests (excluding transport costs)

28 participants in 2023 - EXPERIENCE > 10 YEARS



**Quality Control Materials** coming from proficiency tests available for pretreated materials only.

€ 20 excl. VAT per bottle (excluding transport costs).

Materials are available once the test report is issued.

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M44.1 - Pretreated soil - sent in June 2024			
<b>PAHs:</b> acenaphtene, acenaphtylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3 - cd]pyrene, naphtalene, phenanthrene, pyrene <b>Total hydrocarbons index - C10-C40 range</b> <b>PCBs:</b> PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180	around 100 g	2	2
24M44.2 - Raw soil - sent in November 2024			
<b>PAHs:</b> acenaphtene, acenaphtylene, anthracene, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, benzo[g,h,i]perylene, benzo[k]fluoranthene, chrysene, dibenzo[a,h]anthracene, fluoranthene, fluorene, indeno[1,2,3 - cd]pyrene, naphtalene, phenanthrene, pyrene <b>Total hydrocarbons index - C10-C40 range</b> <b>PCBs:</b> PCB 28, PCB 52, PCB 101, PCB 118, PCB 138, PCB 153, PCB 180	around 400 g of raw soil	2	2

### PARTICULARITIES

**LIMITED QUANTITY**

The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.

Total hydrocarbons index - C10-C40 range: sum of the concentrations of compounds extractable with a hydrocarbon solvent, boiling point between 36 °C and 69 °C, not adsorbed on Florisil and which may be chromatographed by GC-FID, with retention times between those of n-decane (C10H22) and n-tetracontane (C40H82).

#### PARTICULARITIES (CONTINUED)

A.G.L.A.E. provides proficiency tests on the one hand on **raw materials** (to include the part of measurement uncertainty due to the pretreatment phase like in your routine analyses) and on the other hand on **pretreated materials** (to guarantee the presence of all the parameters to analyse and carry out enhanced monitoring on the analytical part of the analysis, predominant source of uncertainty).

- ✓ **Pretreated material:** material dried, crushed and sieved.
- ✓ **Raw material:** material dried, lightly crushed but not sieved. If we are not able to guarantee the presence of all the parameters listed, an evaluation of your results will still be carried out (check of false positives).



#### Other recommended proficiency test:

➔ **Programme 46** 'Volatile Organic Compounds in solid matrices'

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

PAHs  
Total hydrocarbons index - C10-C40 range  
PCBs

D<sub>0</sub>+24

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 46: VOLATILE ORGANIC COMPOUNDS IN SOLID MATRICES



€ 263 excl. VAT - total amount for 1 test (excluding transport costs)

19 participants in 2023 - EXPERIENCE: 1 YEAR

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M46.1 – Pretreated soil - sent in March 2024 - Refrigerated parcel			
Dry matter Benzene <sup>[1]</sup> , toluene <sup>[1]</sup> , ethylbenzene <sup>[1]</sup> , xylene ortho <sup>[1]</sup> , xylene para + xylene meta <sup>[1]</sup> , total xylenes <sup>[1]</sup>	around 100 g	2	2
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

### PARTICULARITIES

**LIMITED QUANTITY**

The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.



#### Other recommended proficiency tests:

- ↳ Programme 10 'Organic micropollutants in sediments'
- ↳ Programme 44 'Organic micropollutants in polluted sites and soils'

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Dry matter	D <sub>0</sub> +17
Benzene, toluene, ethylbenzene, xylene ortho, xylene para + xylene meta, total xylenes	D <sub>0</sub> +3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 47: GRAIN SIZE DISTRIBUTION IN SOLID MATRICES



€ 208 excl. VAT - total amount for 2 tests (excluding transport costs)

19 participants in 2023 - EXPERIENCE 20 YEARS

New in 2024 in soil



Quality Control Materials coming from proficiency tests available  
€ 20 excl. VAT per bottle (excluding transport costs)  
Materials are available once the test report is issued.

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M47.1 - Sediment - sent in January 2024			
Grain size distribution <sup>[1]</sup> , dry matter	around 100 g	2	2
24M47.2 - Soil - sent in July 2024			
Grain size distribution <sup>[1]</sup> , dry matter	around 100 g	2	2
<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)			

### PARTICULARITIES

**LIMITED QUANTITY**

The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Dry matter	J <sub>0</sub> +17
Grain size distribution	J <sub>0</sub> +24

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 51: CHEMICAL ANALYSES AND METALS IN WASTE (LEACHING)

Wastes can be polluted soils, ashes, clinkers, residues from industrial activity, sludges from wastewater treatment plants.



€ 616 excl. VAT - total amount for 2 tests (excluding transport costs)

49 participants in 2023 - EXPERIENCE > 20 YEARS

Parameters to analyse <i>(implemented in <b>at least one</b> proficiency test)</i>	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M51.1 - Waste - sent in May 2024			
conductivity, dry matter, dry residue at 105°C of the eluate, pH, soluble fraction, total organic carbon (TOC), unburned rate at 500°C As, Cd, Cr, Cu, Ni, Pb, Zn, Cl <sup>-</sup> , F <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup>	around 125 g	2	1
24M51.2 - Waste - sent in October 2024			
conductivity, dry matter, dry residue at 105°C of the eluate, pH, soluble fraction, total organic carbon (TOC), unburned rate at 500°C As, Ba, Cd, Cr, Cu, Mo, Ni, Pb, Sb, Se, Zn, Cl <sup>-</sup> , F <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup>	around 125 g	2	1

### PARTICULARITIES

Technical constraints linked to the supply of contaminated waste have forced us to modify the test design and the parameters provided (Cr<sup>+6</sup> and Hg have been removed). If you have access to contaminated waste, please contact us at [contact@association-aglae.fr](mailto:contact@association-aglae.fr).

**LIMITED QUANTITY**

The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.

Leaching of the provided waste to be carried out with a ratio L/S=10 (L/kg) and contact duration of 24h.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

conductivity, dry matter, dry residue at 105°C of the eluate, soluble fraction, pH, total organic carbon (TOC), unburned rate at 500°C As, Ba, Cd, Cr, Cu, Mo, Ni, Pb, Sb, Se, Zn, Cl <sup>-</sup> , F <sup>-</sup> , SO <sub>4</sub> <sup>2-</sup>	D <sub>0</sub> +24
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 51A: CYANIDES AND PHENOL INDEX IN WASTE (LEACHING)



*This programme meets in particular the requirements of the German regulation dealing with waste intended for landfill or recycling ('LAGA/DepV': 'Länder-Arbeitsgemeinschaft Abfall / Deponieverordnung').*



€ 605 excl. VAT - total amount for 1 test (excluding transport costs)

20 participants in 2023 - EXPERIENCE > 5 YEARS

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M51A.1 - Waste - sent in September 2024			
Easily liberatable cyanide, total cyanide, dry matter	around 60 g	2	2
Phenol index <sup>[1]</sup> , dry matter	around 70 g	2	2
[1] parameter not covered by accreditation (see general conditions of registration)			

### PARTICULARITIES

**LIMITED QUANTITY**

The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.

The unit to report the results is expressed per liter of eluate.

Leaching of the waste to be carried out with a ratio L/S=10 (L/kg) and contact duration of 24h.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Easily liberatable cyanide, phenol index, total cyanide, dry matter	D <sub>0</sub> +24
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 51B: CHEMICAL ANALYSES AND METALS IN WASTE (LEACHING) - 'LAGA/DepV'



Programme specific to the German regulation dealing with waste intended for landfill or recycling ('LAGA/DepV': 'Länder-Arbeitsgemeinschaft Abfall / Deponieverordnung')



€ 408 excl. VAT - total amount for 1 test (excluding transport costs)

36 participants in 2022 – EXPERIENCE 3 YEARS

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M51B.1 - Waste - sent in September 2024			
Dry matter, As, Ba, Cd, Cl <sup>-</sup> , Cr, Cu, F <sup>-</sup> , Hg, Mo, Ni, Pb, Sb, Se, SO <sub>4</sub> <sup>2-</sup> , Zn, conductivity, pH, dissolved organic carbon	around 125 g	2	1

### PARTICULARITIES

**LIMITED QUANTITY**

The number of participants for the proficiency tests in solid matrices is limited. Registrations are possible within the limits of available samples. Register quickly.

**Biannual periodicity:** this programme is provided one year out of two. It will be provided again in 2026.

The unit to report the results is expressed per liter of eluate.

Leaching of the waste to be carried out with a ratio L/S=10 (L/kg) and contact duration of 24h.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Dry matter, As, Ba, Cd, Cl <sup>-</sup> , Cr, Cu, F <sup>-</sup> , Hg, Mo, Ni, Pb, Sb, Se, SO <sub>4</sub> <sup>2-</sup> , Zn, conductivity, pH, dissolved organic carbon	D <sub>0</sub> +24
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)





## BIOLOGY AND ECOTOXICOLOGY





## PROGRAMME 12: MACROINVERTEBRATES OF RUNNING WATERS



€ 744 excl. VAT - total amount for 1 test (excluding transport costs)

42 participants in 2023 - EXPERIENCE > 10 YEARS

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M12.1 - Habitation of running waters - sent in September 2024			
Faunal list according to NF T90-350 and/or NF T90-388 and, as an option, calculation of IBGN indexes, MCPE12 (Code Sandre 5912) and/or I2M2 (Code Sandre 7613) (no sampling step)	500 mL	12	1

### PARTICULARITIES



Fixation reagent: ethanol

**Registration deadline: 30 April 2024**

Laboratories wishing a second expertise for some singular taxa highlighted during the statistical processing will be able to send them back to AGLAE. To do so, participants will be contacted as soon as the review is issued to specify how to send the concerned taxa back.

This second expertise will allow a better consideration of the profile of singular laboratories for a possible re-ranking of analytical performance.

**The test documents of this Proficiency Testing Scheme are not translated into English.**

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Faunal list	Analyses will have to be carried out so as to meet the deadline set by AGLAE to send the results.
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## PROGRAMME 13: ECOTOXICOLOGY



€ 495 excl. VAT - total amount for 2 tests (excluding transport costs)

31 participants in 2023 - EXPERIENCE: 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 125 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M13.1 - Fresh and waste waters - sent in March 2024 - Refrigerated parcel			
"Daphnia" test: determination of the inhibition of the mobility of <i>Daphnia magna</i> Straus – acute toxicity test	1000 mL	1 for fresh waters and 1 for waste waters	2
24M13.2 - Fresh and waste waters - sent in September 2024 - Refrigerated parcel			
"Daphnia" test: determination of the inhibition of the mobility of <i>Daphnia magna</i> Straus – acute toxicity test	1000 mL	1 for fresh waters and 1 for waste waters	2

### PARTICULARITIES



The determination of the inhibitory effect of water samples on the light emission of *Vibrio fischeri* (luminescent bacteria test - "Microtox" <sup>[1]</sup> test) can also be carried out on these samples. Data statistical treatment may be performed if the number of participants' results is sufficient.

<sup>[1]</sup> parameter not covered by accreditation (see general conditions of registration)

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

"Daphnia" test	D <sub>0</sub> +2
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D<sub>0</sub>: Day the samples are sent to all the participants (for the tests of programme 13, Monday)

## PROGRAMME 16: BIOLOGICAL DIATOM INDEX



€ 298 excl. VAT - total amount for 1 test (excluding transport costs)

23 participants in 2023 - EXPERIENCE: 10 YEARS

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M16.1 - Running water - sent in October 2024			
Floristic list according to NF T90-354.	around 20 mL	1	1

### PARTICULARITIES



Fixation reagent: ethanol.

**Registration deadline: 31 May 2024**

Transmission of results via Omnidia software: our Biology data processing team will access the data of your laboratory to perform the statistical processing.

Indexes (biological diatom index and pollution-sensitivity index) will be calculated by AGLAE via OMNIDIA software.

Photographic prints of 10 remarkable species will be included in the test report.



Assessment of several technicians is possible: referent results and additional results can be reported.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Floristic list according to NF T90-354	Analyses will have to be carried out so as to meet the deadline set by AGLAE to send the results.
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## PROGRAMME 34: PROTOZOANS IN FRESH WATERS

Test materials are suitable for checking analyses in public distribution water and non-atypical natural mineral waters.



€ 655 excl. VAT - total amount for 2 tests (excluding transport costs)

20 participants in 2023 - EXPERIENCE > 15 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 165 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M34.1 - Clean water - sent in April 2024 - Refrigerated parcel			
Cryptosporidium oocysts (total) Cryptosporidium oocysts (healthy) Giardia cysts (total) Giardia cysts (healthy)	400 µL	2	1
24M34.2 - Clean water - sent in November 2024 - Refrigerated parcel			
Cryptosporidium oocysts (total) Cryptosporidium oocysts (healthy) Giardia cysts (total) Giardia cysts (healthy)	400 µL	2	1

### PARTICULARITIES

With one of the 2 tubes, only one analysis of the total concentrate has to be carried out by I.M.S. reconcentration, staining, identification and enumeration.

The second tube of concentrate will have to be re-suspended in 10 litres of drinking water. A complete analysis will be carried out on this 10-litre sample (complete analysis: filtration, concentration, staining, identification and enumeration).

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

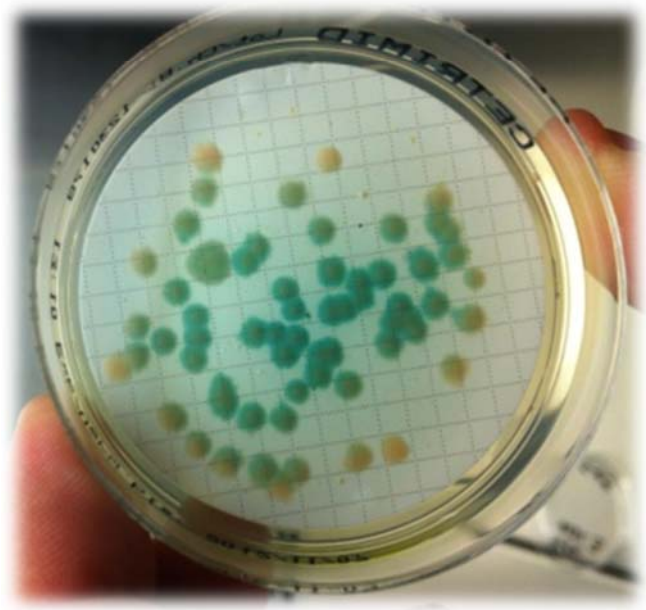
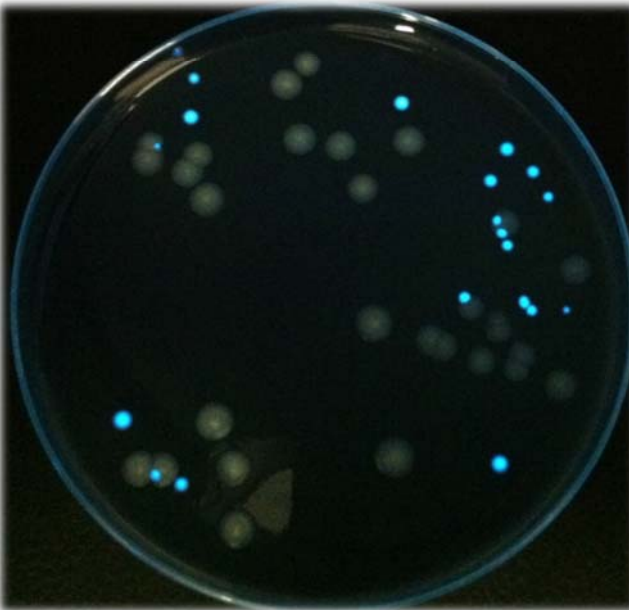
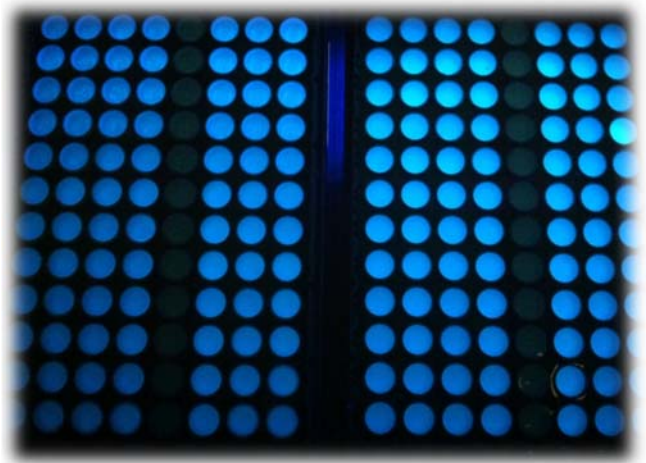
Cryptosporidium oocysts, Giardia cysts

D<sub>0</sub>+3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## WATER MICROBIOLOGY



## PROGRAMME 11: MICROBIAL INDICATORS OF FAECAL CONTAMINATION BY MPN METHOD

Test materials are suitable for the check of analyses in fresh waters, saline and brackish waters and waste waters.



€ 413 excl. VAT - total amount for 4 tests (excluding transport costs)

127 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 55 excl. VAT (excluding transport costs)

Parameters to analyse <i>(implemented in each proficiency test except coliform bacteria)</i>	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M11.1 - Surface water - sent in February 2024 - Refrigerated parcel			
Coliform bacteria, <i>Escherichia coli</i> , Intestinal enterococci	500 mL	2	2
24M11.2 - Bathing freshwater - sent in June 2024 - Refrigerated parcel			
Coliform bacteria, <i>Escherichia coli</i> , Intestinal enterococci	500 mL	2	2
24M11.3 - Sea water - sent in August 2024 - Refrigerated parcel			
<i>Escherichia coli</i> , Intestinal enterococci	500 mL	2	2
24M11.4 - Waste water - sent in November 2024 - Refrigerated parcel			
<i>Escherichia coli</i> , Intestinal enterococci	500 mL	2	2

### PARTICULARITIES

Coliform bacteria are provided only in surface water and bathing freshwater.

**Coliform bacteria:** parameter compatible with (NF EN) ISO 9308-2 and NF T90-413.

***Escherichia coli*:** parameter compatible with (NF EN) ISO 9308-2 and (NF EN) ISO 9308-3.

**Intestinal enterococci:** parameter compatible with (NF EN) ISO 7899-1 and Enterolert E.

#### New in 2024:

- Assessment all methods together (z-score and ranking)
- Assessment per methodological group, subject to a sufficient number of results

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

<i>Escherichia coli</i> , coliform bacteria, Intestinal enterococci	D <sub>0</sub> +1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 30: MICROBIOLOGY IN CLEAN WATERS

Test materials are suitable for the check of analyses in public drinking waters, non-atypical natural mineral waters, swimming pool waters, waters for whirlpool baths, waters for multi-jet showers, healthcare waters as well as fresh\* waters, waters in health care, pharmaceutical and cosmetic establishments. \*Clear fresh waters for the spores of sulfite-reducing anaerobes.



€ 742 excl. VAT - total amount for 4 tests (excluding transport costs)

270 participants in 2023 – EXPERIENCE: 30 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 95 excl. VAT (excluding transport costs)

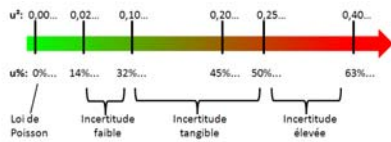
Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M30.1 - Clean water - sent in March 2024 - Refrigerated parcel			
Culturable micro-organisms at 22°C, Culturable micro-organisms at 36°C	10 mL	2	2
<i>Escherichia coli</i> , coliform bacteria, Intestinal enterococci, spores of sulfite-reducing anaerobes	500 mL	2	2
24M30.2 - Clean water - sent in June 2024 - Refrigerated parcel			
Culturable micro-organisms at 22°C, Culturable micro-organisms at 36°C	10 mL	2	2
<i>Escherichia coli</i> , coliform bacteria, Intestinal enterococci, spores of sulfite-reducing anaerobes	500 mL	2	2
24M30.3 - Clean water - sent in October 2024 - Refrigerated parcel			
Culturable micro-organisms at 22°C, Culturable micro-organisms at 36°C	10 mL	2	2
<i>Escherichia coli</i> , coliform bacteria, Intestinal enterococci, spores of sulfite-reducing anaerobes	500 mL	2	2
24M30.4 - Clean water - sent in December 2024 - Refrigerated parcel			
Culturable micro-organisms at 22°C, Culturable micro-organisms at 36°C	10 mL	2	2
<i>Escherichia coli</i> , coliform bacteria, Intestinal enterococci, spores of sulfite-reducing anaerobes	500 mL	2	2

## PARTICULARITIES

Culturable micro-organisms at 22°C and culturable micro-organisms at 36°C: by incorporation.

Coliform bacteria, *Escherichia coli*: parameters compatible with (NF EN) ISO 9308-1 (2000), ISO 9308-1 (2014), ISO 9308-2 (2012) and (NF EN) ISO 9308-2 (2014).

Intestinal enterococci: parameter compatible with (NF EN) ISO 7899-2 and Enterolert DW.



For all the parameters of this programme, uncertainties are calculated and provided to the participants. The indicators are the repeatability uncertainty  $u^2$  and the reproducibility uncertainty  $uR^2$  specific to each participant. The uncertainty evaluated for the whole profession is also presented.

### New in 2024:

- Assessment all methods together (z-score and ranking)
- Assessment per methodological group, subject to a sufficient number of results



### Other recommended proficiency tests:

↳ **Programme 30A** 'Spores of sulfite-reducing anaerobes in fresh waters and waste waters'

↳ **Programme 86** 'Indicator germs by filtration in bacteriologically controlled waters' for the analysis of culturable micro-organisms at 22°C and at 36°C after filtration

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Culturable micro-organisms at 22°C,  
Culturable micro-organisms at 36°C,  
*Escherichia coli*, coliform bacteria,  
Intestinal enterococci,  
spores of sulfite-reducing anaerobes

D<sub>0</sub>+1

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 30A: SPORES OF SULFITE-REDUCING ANAEROBES IN FRESH WATERS AND WASTE WATERS

*Test materials are suitable for the check of analyses in fresh waters and in waste waters.*



**€ 238 excl. VAT** - total amount for 4 tests (excluding transport costs)

**16 participants** in 2023 - EXPERIENCE: 3 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): **€ 30 excl. VAT** (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M30A.1 - Surface water - sent in March 2024 - Refrigerated parcel			
Spores of sulfite-reducing anaerobes	250 mL	2	2
24M30A.2 - Waste water - sent in June 2024 - Refrigerated parcel			
Spores of sulfite-reducing anaerobes	250 mL	2	2
24M30A.3 - Surface water - sent in October 2024 - Refrigerated parcel			
Spores of sulfite-reducing anaerobes	250 mL	2	2
24M30A.4 - Waste water - sent in December 2024 - Refrigerated parcel			
Spores of sulfite-reducing anaerobes	250 mL	2	2

### PARTICULARITIES

For this programme, when the bacterial load enables it, uncertainties are calculated and provided to participants. The indicators are the repeatability uncertainty  $ur^2$  and the reproducibility uncertainty  $UR^2$  specific to each participant. The uncertainty evaluated for the whole profession is also presented.



**Other recommended proficiency test:**

↳ **Programme 30** 'Microbiology in clean waters'

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Spores of sulfite-reducing anaerobes	D <sub>0</sub> +1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 31: *PSEUDOMONAS AERUGINOSA* AND PATHOGENIC STAPHYLOCOCCI IN CLEAN WATERS

Test materials are suitable for the check of analyses in public drinking waters, non-atypical natural mineral waters, swimming pool waters, waters for whirlpool baths, waters for multi-jet showers, healthcare waters and bacteriologically controlled waters as well as fresh waters, waters in health care, pharmaceutical and cosmetic establishments.



€ 501 excl. VAT – total amount for 4 tests (excluding transport costs)

224 participants in 2023 - EXPERIENCE > 25 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 65 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M31.1 - Clean water - sent in February 2024 - Refrigerated parcel			
<i>Pseudomonas aeruginosa</i> , pathogenic staphylococci (coagulase positive)	500 mL	2	2
24M31.2 - Clean water - sent in April 2024 - Refrigerated parcel			
<i>Pseudomonas aeruginosa</i> , pathogenic staphylococci (coagulase positive)	500 mL	2	2
24M31.3 - Clean water - sent in October 2024 - Refrigerated parcel			
<i>Pseudomonas aeruginosa</i> , pathogenic staphylococci (coagulase positive)	500 mL	2	2
24M31.4 - Clean water - sent in December 2024 - Refrigerated parcel			
<i>Pseudomonas aeruginosa</i> , pathogenic staphylococci (coagulase positive)	500 mL	2	2

### PARTICULARITIES

*Pseudomonas aeruginosa*: parameter compatible with (NF EN) ISO 16266 and ISO 16266-2.

For all the parameters of this programme, uncertainties are calculated and provided to the participants. The indicators are the repeatability uncertainty  $ur^2$  and the reproducibility uncertainty  $uR^2$  specific to each participant. The uncertainty evaluated for the whole profession is also presented.

#### New in 2024:

- Assessment all methods together (z-score and ranking)
- Assessment per methodological group, subject to a sufficient number of results



**Other recommended proficiency tests:**

↳ **Programme 31A** 'Pathogenic staphylococci in saline waters'

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

*Pseudomonas aeruginosa*,  
pathogenic staphylococci (coagulase positive)

D<sub>0</sub>+1

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 31A: PATHOGENIC STAPHYLOCOCCI IN SALINE WATERS

€ 190 excl. VAT - total amount for 2 tests (excluding transport costs)

9 participants in 2023 - EXPERIENCE: 2 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M31A.1 - Saline water - sent in June 2024 - Refrigerated parcel			
pathogenic staphylococci (coagulase positive)	250 mL	2	2
24M31A.2 - Saline water - sent in December 2024 - Refrigerated parcel			
pathogenic staphylococci (coagulase positive)	250 mL	2	2

### PARTICULARITES



**Other recommended proficiency tests:**

↳ **Programme 31** '*Pseudomonas aeruginosa* and pathogenic staphylococci in clean waters

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

pathogenic staphylococci (coagulase positive)	D <sub>0</sub> +1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 32: *LEGIONELLA* AND *LEGIONELLA PNEUMOPHILA* IN CLEAN WATERS BY CULTURE

Test materials are suitable for the check of analyses in public drinking waters, domestic hot waters, natural mineral waters for thermal use, swimming pool waters and equivalent, waters from misting systems as well as fresh waters and process waters except coloured and/or unfilterable water requiring centrifugation or following the 'waste water' protocol.



€ 556 excl. VAT - total amount for 3 tests (excluding transport costs)

227 participants in 2023 - EXPERIENCE > 20 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 95 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M32.1 - Clean water - sent in February 2024 - Refrigerated parcel			
Legionella pneumophila, Legionella	500 mL	2	2
24M32.2 - Clean water - sent in May 2024 - Refrigerated parcel			
Legionella pneumophila, Legionella	500 mL	2	2
24M32.3 - Clean water - sent in October 2024 - Refrigerated parcel			
Legionella pneumophila, Legionella	500 mL	2	2

### PARTICULARITIES

Refrigerated parcel to favour the reception of similar samples in France and internationally.

*Legionella* and *Legionella pneumophila*: parameters compatible with NF T90-431 and ISO 11731 (2017) [Matrix A; Procedures 1 and 7; Medium C].

#### New in 2024:

- Assessment all methods together (z-score and ranking)
- Assessment per methodological group, subject to a sufficient number of results

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

*Legionella pneumophila*, *Legionella*

D<sub>0</sub>+2

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 33: *LEGIONELLA* AND *LEGIONELLA PNEUMOPHILA* IN WASTE WATERS BY CULTURE

Test materials are suitable for the check of analyses in surface waters, in industrial waters, in waters from cooling installations by water dispersion in air flows ('IRDEFA'), in natural waters as well as fresh waters and process waters coloured and/or unfilterable requiring centrifugation or following the 'waste water' protocol.



€ 586 excl. VAT - total amount for 3 tests (excluding transport costs)

128 participants in 2023 - EXPERIENCE > 15 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 100 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M33.1 - Waste water - sent in January 2024 - Refrigerated parcel			
Legionella pneumophila, Legionella	1030 mL	2	2
24M33.2 - Waste water - sent in April 2024 - Refrigerated parcel			
Legionella pneumophila, Legionella	1030 mL	2	2
24M33.3 - Waste water - sent in September 2024 - Refrigerated parcel			
Legionella pneumophila, Legionella	1030 mL	2	2

### PARTICULARITIES

Refrigerated parcel to favour the reception of identical samples in France and internationally.

*Legionella*, *Legionella pneumophila*: parameters compatible with NF T90-431 and ISO 11731 (2017) [Matrix B; Procedures 1, 8, 9, 10 and 11; Medium C].

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

*Legionella pneumophila*, *Legionella*

D<sub>0</sub>+2

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 35: *LEGIONELLA* AND *LEGIONELLA PNEUMOPHILA* IN CLEAN WATERS BY PCR

Test materials are suitable for the check of analyses in public drinking waters, domestic hot waters, natural mineral waters for thermal use, swimming pool waters and equivalent, waters from misting systems as well as fresh waters.



€ 596 excl. VAT - total amount for 2 tests (excluding transport costs)

25 participants in 2023 - EXPERIENCE 15 > YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 150 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M35.1 - Clean water - sent in February 2024 - Refrigerated parcel			
Legionella, Legionella pneumophila	500 mL	2	2
24M35.2 - Clean water - sent in October 2024 - Refrigerated parcel			
Legionella, Legionella pneumophila	500 mL	2	2

### PARTICULARITIES

*Legionella, Legionella pneumophila*: parameters compatible with NF T90-471 and ISO/TS 12869.

The analysis method used must lead to quantitative results. Presence/absence type results cannot be processed.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

*Legionella, Legionella pneumophila*

D<sub>0</sub>+2

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 36: *LEGIONELLA* AND *LEGIONELLA PNEUMOPHILA* IN WASTE WATERS BY PCR

Test materials are suitable for the check of analyses in surface waters, industrial waters, waters for cooling installations by water dispersion in an air flow (IRDEFA), natural waters as well as in process waters.



€ 693 excl. VAT - total amount for 2 tests (excluding transport costs)

11 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 175 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M36.1 - Waste water - sent in May 2024 - Refrigerated parcel			
Legionella, Legionella pneumophila	500 mL	2	2
24M36.2 - Waste water - sent in September 2024 - Refrigerated parcel			
Legionella, Legionella pneumophila	500 mL	2	2

### PARTICULARITIES

*Legionella, Legionella pneumophila*: parameters compatible with NF T90-471 and ISO/TS 12869.

The analysis method used must lead to quantitative results. Presence/absence type results cannot be processed.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

<i>Legionella, Legionella pneumophila</i>	D <sub>0</sub> +2
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 37: *SALMONELLA* IN FRESH WATERS



€ 137 excl. VAT - total amount for 2 tests (excluding transport costs)

84 participants in 2023 - EXPERIENCE > 15 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 35 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M37.1 - Clean water - sent in March 2024 - Refrigerated parcel			
Test materials are suitable for the check of analyses in public drinking waters and non-atypical natural mineral waters.			
Salmonella	1000 mL	2	1
24M37.2 - Surface water - sent in November 2024 - Refrigerated parcel			
Test materials are suitable for the check of analyses in fresh surface waters used for the production of waters intended for human consumption and non-atypical natural mineral waters.			
Salmonella	1000 mL	2	1

### PARTICULARITIES

Qualitative analysis: presence / absence.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

*Salmonella*

D<sub>0</sub>+1

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 38: YEASTS IN CLEAN WATERS

Test materials are suitable for the check of analyses in public drinking waters, non-atypical natural mineral waters and bacteriologically controlled waters as well as fresh waters, waters in health care, pharmaceutical and cosmetic establishments.



€ 139 excl. VAT - total amount for 2 tests (excluding transport costs)

23 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 35 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M38.1 - Clean water - sent in January 2024 - Refrigerated parcel			
Yeasts	510 mL	2	2
24M38.2 - Clean water - sent in June 2024 - Refrigerated parcel			
Yeasts	510 mL	2	2

### PARTICULARITIES

For this programme, uncertainties are calculated and provided to the participants. The indicators are the repeatability uncertainty  $ur^2$  and the reproducibility uncertainty  $uR^2$  specific to each participant. The uncertainty evaluated for the whole profession is also presented.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Yeasts	D <sub>0</sub> +1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 38A: MOULD IN CLEAN WATERS

Test materials are suitable for the check of analyses in public drinking waters, non-atypical natural mineral waters and bacteriologically controlled waters as well as fresh waters, waters in health care, pharmaceutical and cosmetic establishments.



€ 190 excl. VAT - total amount for 2 tests (excluding transport costs)

33 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 50 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M38A.1 - Clean water - sent in January 2024 - Refrigerated parcel			
Mould	500 mL	2	2
24M38A.2 - Clean water - sent in June 2024 - Refrigerated parcel			
Mould	500 mL	2	2

### PARTICULARITIES

For this programme, uncertainties are calculated and provided to the participants. The indicators are the repeatability uncertainty  $ur^2$  and the reproducibility uncertainty  $uR^2$  specific to each participant. The uncertainty evaluated for the whole profession is also presented.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Mould	$D_0+1$
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$D_0$ : Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 130: BACTERIOPHAGES IN WATERS

€ 707 excl. VAT - total amount for 2 tests (excluding transport costs)

17 participants in 2023 – EXPERIENCE: 1 YEAR



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 180 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M130.1 - Fresh water - sent in April 2024 - Refrigerated parcel			
Somatic coliphages	500 mL	1	2
F-specific RNA bacteriophages	500 mL	1	2
24M130.2 - Waste water - sent in October 2024 - Refrigerated parcel			
Somatic coliphages	250 mL	1	2
F-specific RNA bacteriophages	250 mL	1	2

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Somatic coliphages	D <sub>0</sub> +1
F-specific RNA bacteriophages	D <sub>0</sub> +1

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## WATERS INTENDED FOR MEDICAL USE



## PROGRAMME 82: ENDOTOXINS IN WATERS AS DESCRIBED IN THE PHARMACOPOEIA

*Test materials are suitable for the check of analyses in waters as described in the pharmacopoeia, waters for irrigation, hemodialysis waters, dialysates, substitution fluids, as well as waters in health care, pharmaceutical and cosmetic establishments.*



€ 331 excl. VAT - total amount for 2 tests (excluding transport costs)

60 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 85 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M82.1 - Waters intended for medical use - sent in March 2024 - Refrigerated parcel			
Bacterial Endotoxins	250 mL	2	2
24M82.2 - Waters intended for medical use - sent in August 2024- Refrigerated parcel			
Bacterial Endotoxins	250 mL	2	2

### PARTICULARITIES

Bacterial endotoxins (LAL enumeration) in accordance with the current pharmacopoeia PE 2.6.14 or USP <85> and <161>.

Please note that only quantitative methods and methods giving results like <X, >Y or [x; y] are taken into account for the statistical processing of data.

Results coming from qualitative methods (presence / absence) cannot be statistically processed.

**Recommended period to start the sample treatment (PRDT):**  
time interval during which the quality of test materials is optimal (in number of days)

Bacterial Endotoxins

D<sub>0</sub> + 3

D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 83A: MICROBIOLOGY IN WATERS SIMILAR TO DIALYSATE

Test materials are suitable for the check of analyses in hemodialysis waters, dialysates, generator loop outflow waters, substitution fluids, as well as fresh waters, waters in health care, pharmaceutical and cosmetic establishments.



€ 360 excl. VAT - total amount for 2 tests (excluding transport costs)

71 participants in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 90 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M83A.1 - Waters intended for medical use - sent in February 2024 - Refrigerated parcel			
Culturable micro-organisms at 22°C - 7 days with identification	500 mL	2	2
<i>Pseudomonas aeruginosa</i>	500 mL	2	2
24M83A.2 - Waters intended for medical use - sent in October 2024 - Refrigerated parcel			
Culturable micro-organisms at 22°C - 7 days with identification	500 mL	2	2
Yeasts	500 mL	2	2

### PARTICULARITIES

Aerobic flora culturable at 22°C during 7 days (by filtration): advised culture media R2A.

For all the parameters of this programme, uncertainties are calculated and provided to the participants. The indicators are the repeatability uncertainty  $ur^2$  and the reproducibility uncertainty  $UR^2$  specific to each participant. The uncertainty evaluated for the whole profession is also presented.



#### Other recommended proficiency tests:

- ↳ **Programme 31** '*Pseudomonas aeruginosa* and pathogenic staphylococci in clean waters'
- ↳ **Programme 38** 'Yeasts in clean waters'

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Culturable micro-organisms at 22°C - 7 days,  
*Pseudomonas aeruginosa* and yeasts

$D_0 + 1$

$D_0$ : Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 83B: MICROBIOLOGY IN WATERS SIMILAR TO ENDOSCOPE VERIFICATION SOLUTIONS

*Test materials are suitable for the check of analyses in fresh waters, waters in health care, pharmaceutical and cosmetic establishments.*



**€ 299 excl. VAT** – total amount for 2 tests (excluding transport costs)

**97 participants** in 2023 - EXPERIENCE > 10 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): **€ 75 excl. VAT** (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M83B.1 - Waters intended for medical use - sent in March 2024 - Refrigerated parcel			
Culturable micro-organisms at 30°C - 5 days and identification	500 mL	2	2
24M83B.2 - Waters intended for medical use - sent in October 2024 - Refrigerated parcel			
Culturable micro-organisms at 30°C - 5 days and identification	500 mL	2	2

### PARTICULARITIES

Total aerobic mesophile flora culturable at 30°C during 5 days including yeasts: none-selective culture media advised such as PCA or TS.

For all the parameters of this programme, uncertainties are calculated and provided to the participants. The indicators are the repeatability uncertainty  $ur^2$  and the reproducibility uncertainty  $uR^2$  specific to each participant. The uncertainty evaluated for the whole profession is also presented.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

culturable micro-organisms at 30°C - 5 days

$D_0 + 1$

$D_0$ : Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## PROGRAMME 86: INDICATOR GERMS BY FILTRATION IN BACTERIOLOGICALLY CONTROLLED WATERS

Test materials are suitable for the check of analyses in fresh waters, waters in health care, pharmaceutical and cosmetic establishments.



€ 238 excl. VAT - total amount for 2 tests (excluding transport costs)

74 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 60 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M86.1 - Waters intended for medical use - sent in March 2024 - Refrigerated parcel			
Culturable micro-organisms at 22°C Culturable micro-organisms at 36°C	500 mL	2	2
24M86.2 - Waters intended for medical use - sent in October 2024 - Refrigerated parcel			
Culturable micro-organisms at 22°C Culturable micro-organisms at 36°C	500 mL	2	2

### PARTICULARITIES

Aerobic flora culturable at 22°C and at 36°C on PCA or TS media by filtration of 100 mL.

For all the parameters of this programme, uncertainties are calculated and provided to the participants. The indicators are the repeatability uncertainty  $u_r^2$  and the reproducibility uncertainty  $u_R^2$  specific to each participant. The uncertainty evaluated for the whole profession is also presented.



#### Other recommended proficiency tests:

- ↪ **Programme 30** 'Microbiology in clean waters' for the analysis of culturable micro-organisms at 22°C and at 36°C by the plate incorporation method
- ↪ **Programme 31** '*Pseudomonas aeruginosa* and pathogenic staphylococci in clean waters'

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Culturable micro-organisms at 22°C Culturable micro-organisms at 36°C	D <sub>0</sub> + 1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 86A: NON-TUBERCULOUS MYCOBACTERIA IN WATERS FOR MEDICAL USE

Test materials are suitable for the check of analyses in fresh waters, waters in health care, pharmaceutical and cosmetic establishments.

**New**

**105 € excl. VAT** - total amount for 1 test (excluding transport costs)

**New in 2024**

**15 participants** in 2023 - EXPERIENCE: 2 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): **€ 55 excl. VAT** (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M86A.1 - Waters intended for medical use - sent in November 2024 - Refrigerated parcel			
Non-tuberculous mycobacteria	500 mL	2	1

### PARTICULARITIES

In the frame of this test, participating laboratories will detect, and quantify if their method enables it, non-tuberculous mycobacteria in waters for medical use.

This is a **methodological comparison** test, which will enable participants to estimate the reliability of their analytical protocol.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Non-tuberculous mycobacteria	D <sub>0</sub> + 1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 86B: INDICATOR GERMS IN WATERS SIMILAR TO PHARMACEUTICAL PROCESS WATERS

*Test materials are suitable for the check of analyses in waters as described in the pharmacopoeia, healthcare waters (purified and highly purified waters ...) as well as pharmaceutical and cosmetic establishments.*



€ 240 excl. VAT - total amount for 2 tests (excluding transport costs)

22 participants in 2023 - EXPERIENCE > 5 YEARS



**Need to test another method, evaluate your staff?**

Order **additional test samples** (parcel in its entirety): € 60 excl. VAT (excluding transport costs)

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M86B.1 - pharmaceutical process water - sent in April 2024 - Refrigerated parcel			
Culturable micro-organisms at 30-35°C on R2A medium during 5 days	500 mL	2	2
24M86B.2 - pharmaceutical process water - sent in October 2024 - Refrigerated parcel			
Culturable micro-organisms at 30-35°C on R2A medium during 5 days	500 mL	2	2

### PARTICULARITIES

Aerobic flora culturable at 30-35°C on R2A medium during 5 days **after filtration**.

For all the parameters of this programme, uncertainties are calculated and provided to the participants. The indicators are the repeatability uncertainty  $u_r^2$  and the reproducibility uncertainty  $u_R^2$  specific to each participant. The uncertainty evaluated for the whole profession is also presented.

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Culturable micro-organisms at 30-35°C

$D_0 + 1$

$D_0$ : Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## COSMETICS



## PROGRAMME 110: CHALLENGE TEST IN COSMETICS

Evaluation of the antimicrobial protection of *cosmetic products*.



€ 492 excl. VAT - total amount for the test (excluding transport costs)

18 participants in 2023 - EXPERIENCE > 5 YEARS

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M110.1 - Cosmetic product - sent in November 2024			
Percent reductions at 48 hours, 7 days and 14 days for <i>Candida albicans</i> / lotion*	55 g or mL	2	1
Percent reductions at 48 hours, 7 days and 14 days for <i>Staphylococcus aureus</i> / lotion*	55 g or mL	2	1

\*Subject to technical change. Final couples communicated in the instructions, one week before sending the test sample.

### PARTICULARITIES



Perform preservation efficacy tests on the 2 bottles for the 2 couples bacterial strain / cosmetic product following the ISO 11930 standard or any equivalent internal method.  
Bacterial strains not provided.

Presence of preservatives in the cosmetic products, the efficacy of the neutraliser will have to be checked. Implementation details to be specified on the results form.



#### Other recommended proficiency tests:

- ↗ Programme 111 'Aerobic mesophilic bacteria and yeast / mould in cosmetics'
- ↗ Programme 112 'Specified microorganisms in cosmetics'

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Percent reductions at 48 hours, 7 days and 14 days	D <sub>0</sub> +10
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 111: AEROBIC MESOPHILIC BACTERIA AND YEAST/MOULD IN COSMETICS

*Enumeration of aerobic mesophilic bacteria and yeast/mould*

€ 511 excl. VAT - total amount for 2 tests (excluding transport costs)

New in 2024

**New**

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M111.1 - Cosmetic product - sent in March 2024 - Refrigerated parcel			
Aerobic mesophilic bacteria	10 g or mL	2	2
24M111.2 - Cosmetic product - sent in September 2024 - Refrigerated parcel			
Yeast / mould	10 g or mL	2	2

### PARTICULARITIES



Presence of preservatives, the applicability of the method will have to be checked (neutralisation of the preservative). Implementation details to be specified on the results form.

A minimum of 10 participants is required.

The cosmetic product will be a cream, a lotion or a gel.

Enumeration of aerobic mesophilic bacteria according to ISO 21149 or equivalent method

Enumeration of yeast and mould according to ISO 16212 or equivalent method



#### Other recommended proficiency tests:

↪ **Programme 110** 'Challenge test in cosmetics'

↪ **Programme 112** 'Specified microorganisms in cosmetics'

### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

Aerobic mesophilic bacteria, yeast, mould	D <sub>0</sub> +1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)

## PROGRAMME 112: SPECIFIED MICROORGANISMS IN COSMETICS

**Detection** of specified micro-organisms: *Escherichia coli*, *Candida albicans*, *Staphylococcus aureus* and *Pseudomonas aeruginosa*

**New**

€ 423 excl. VAT - total amount for 2 tests (excluding transport costs)

New in 2024

Parameters to analyse	Bottle		Number of measurements per parameter and per bottle
	Volume	Number	
24M112.1 - Cosmetic product - sent in June 2024 - Refrigerated parcel			
<i>Escherichia coli</i> , <i>Candida albicans</i>	10 g or mL	3	1
24M112.1 - Cosmetic product - sent in November 2024 - Refrigerated parcel			
<i>Staphylococcus aureus</i> , <i>Pseudomonas aeruginosa</i>	10 g or mL	3	1

### PARTICULARITIES



Presence of preservatives, the applicability of the method will have to be checked (neutralisation of the preservative). Implementation details to be specified on the results form.

A minimum of 8 participants is required

The cosmetic product will be a cream, a lotion or a gel.

Detection of *Escherichia coli* according to ISO 21150

Detection of *Candida albicans* according to ISO 18416

Detection of *Staphylococcus aureus* according to ISO 22718

Detection of *Pseudomonas aeruginosa* according to ISO 22717



#### Other recommended proficiency tests:

↪ Programme 110 'Challenge test in cosmetics'

↪ Programme 111 'Aerobic mesophilic bacteria and yeast / mould in cosmetics'

#### Recommended period to start the sample treatment (PRDT):

time interval during which the quality of test materials is optimal (in number of days)

<i>Escherichia coli</i> , <i>Candida albicans</i> , <i>Staphylococcus aureus</i> , <i>Pseudomonas aeruginosa</i>	D <sub>0</sub> +1
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D<sub>0</sub>: Day the samples are sent to all the participants (for most proficiency tests, Tuesday)



## General conditions of registration for the proficiency tests

When registering for a scheme any laboratory accepts the following general conditions.

### 1. Registration for the proficiency tests

AGLAE is a non-profit-association governed by the French 1901 law.

Any analytical or testing laboratory in the chemical, biological, physical... field can register for the tests; it is then a member of the Association.

Any member wishing to participate actively in the operation of the Association may apply (contact us).

AGLAE's proficiency testing scheme is conducted from January to December. It is adapted every year to the needs of laboratories and to French regulation in force. However, registrations are possible all the year through, as long as proficiency tests are still available. Registration for one programme includes the participation in all the tests left when registering. Because regulations vary according to the country, international laboratories are allowed to order proficiency tests as separate units.

AGLAE's service offers are provided as part of a subscription. There is no withdrawal period as samples can deteriorate quickly. Registration is effective when AGLAE sends the registration certificate.

Once registered, a laboratory shall not withdraw and ask for a refund, even if the laboratory requests not to receive the samples.

When registering, the laboratory shall agree to receive the samples any working day (according to French legislation). After registration, participants receive their schedule.

AGLAE might be brought to modify the scheme content during the year (shipment date, change of packaging, analytical periods...).

Without involving AGLAE's liability, any programme might be cancelled if the number of registered participants is considered insufficient or in case of feasibility problem. Should a programme be cancelled, invoiced fees will be reimbursed.

### 2. Quality Control Materials

AGLAE provides "Quality Control Materials" to any laboratory registered for the current scheme. These materials come from proficiency tests in solid matrices.

Any member may order these materials whether the laboratory has participated or not in the proficiency test from which the test material comes from.

The laboratory can order them at any time during the year, up to a limit of 5 materials from the same batch.

On receipt of a purchase order or of a validated quote, AGLAE informs the laboratory of the date the quality control materials are sent.

The conditions of transport, receipt and payment of quality control materials follow the ones of test materials.

### 3. Additional test samples

AGLAE provides additional samples for almost all the tests. These samples are sent at the same time as interlaboratory samples, to the same address and no statistical treatment is carried out from them. The laboratory should be registered for the concerned programme to purchase them. The conditions of transport, receipt and payment of additional test samples follow the ones of test materials.

### 4. Payment of the due amounts

The laboratory has to pay the amount of its invoice. The invoice includes: participation fees, transport and possibly VAT, management fees, discounts.

Invoicing of participation fees is established proportionally to the number of tests left, increased by 10% when the entire set of tests for a programme is no more available or for the purchase of separate units for international laboratories.

Transport costs are not included in the cost of the proficiency tests, they are charged in addition.

Management fees can be applied in particular in case of bank transfer costs to be paid by AGLAE.

Payments have to be done without causing any fees for AGLAE within a fixed schedule specified on the invoice.

Any delay or absence of payment leads to, by right and without formal notice, the immediate payability of the due sums as well as the payment of penalties of one and a half times the legal interest rate, based on unpaid sums and without prejudice of damages and other costs that the Association may require. All sums are due from the deadline of payment until they are actually paid.

AGLAE reserves the right to withhold the access to the Member Area or shipment of test materials to any laboratory not respecting the deadlines of payment and not replying to reminders. In case of temporary suspension of the sending of test materials, the laboratory will not be entitled to claim the refund of the proficiency tests not performed. In case of late payment or payment anomaly, payments will then be requested upon receipt of the quote.

Invoicing is done at the time of registration, independently from the conduct of the tests. It may not be required to be made out once the service has been provided.

### 5. Accreditation and confidentiality

AGLAE meets the requirements of ISO / IEC 17043 standard and Cofrac rules of application for the provision of interlaboratory comparisons (*Cofrac accreditation No. 1-1664 – scope available on [www.cofrac.fr](http://www.cofrac.fr)*).

Laboratories cannot use AGLAE's logo jointly with AGLAE's Cofrac accreditation mark.

AGLAE is committed to assuring the **confidentiality of information** it owns. Anonymity of participants in a test is assured by the coding of results, all the test documents containing results are issued with a laboratory code.

AGLAE may not provide a performance assessment for parameters not implemented under accreditation.

### 6. Communication with the participants

Communication between the Association and participants are mainly in **electronic** format: sending and receiving emails, documents to download from the dedicated area of AGLAE's web site ("Member Area").

Many messages and test documents are translated into English, but the official version remains the French version.

The laboratory is responsible for updating its contact details via the members' area or by e-mail if necessary.

AGLAE accepts no liability for the non-receipt of emails. Laboratories shall follow the conduct of proficiency tests and react to reminders.

### 7. Transport of test materials

Transport is performed by **express delivery** service by a courier selected by AGLAE.



## General conditions of registration for the proficiency tests

Delivery of the samples is scheduled the day after the shipment before 1pm for laboratories located in metropolitan France. For other destinations, delivery times depend on the carrier and the location of the laboratory (contact us if need be). Laboratories should be able to receive deliveries from 7.30 am as well as during lunch breaks.

AGLAE's liability towards deliveries is limited to late deliveries of more than 2 working days compared to the delays specified by the courier, not attributable to laboratories and in normal period of activity. The date to which all the parcels are handed over to the courier is considered to calculate possible late deliveries.

AGLAE will not be liable for:

- malfunctioning attributable to the laboratory (no receipt of the parcel handed over by the carrier or loss of the parcel within the laboratory or address change without prior notice),
- delays at customs,
- social conflicts, national or local,
- case of force majeure preventing correct delivery (weather problems...),
- unjustified claim about the integrity of the received products.

In every instance, when AGLAE's liability is involved, the compensation shall be limited to the price for the proficiency test giving rise to such liability (adding the transport fees invoiced).

**Attention:** depending on the destination, a **custom duty may be requested to the laboratory by the local customs. The laboratory shall take any necessary action to meet the customs' requirements and get the test materials as soon as possible.**

### 8. Receipt and quality of the test materials

The aim of the PTS preparation is to prepare materials as close as possible to the samples analysed in routine: the contamination levels can therefore be very low or very high.

The preparation and packaging of the test materials are mainly carried out by AGLAE. Subcontracting can be used for some programmes.

In case of major failure found on receipt of the test materials, the laboratory shall contact AGLAE as quickly as possible so that AGLAE can take the appropriate actions. Anomalies notified by the laboratory more than 24 hours after receipt will not be accepted.

The objective aimed during the proficiency testing preparation is to prepare test materials as close as possible to the ones regularly analysed: the contamination levels can thus be very low or on the opposite very high.

In case of major defect of test samples quality, AGLAE has the possibility to cancel the concerned parameter or the whole proficiency test; without the laboratories being able to claim any compensation.

Should a proficiency test be cancelled based on the decision of the Management or of the Administration Board, the test would then be postponed.

In case one or several parameters of a test are cancelled, the concerned parameters will not be systematically provided again, unless otherwise decided by the Administration Board.

### 9. Analysis of the test materials

The laboratory should start analyses as soon as possible, during the recommended period to start the sample treatment (P.R.D.T.). This period corresponds to the time interval during which the materials' quality is optimal under the recommended preservation conditions. After this period, failures may occur and

interfere with the assessment of the analytical performance of laboratories, without involving AGLAE's liability.

**For laboratories outside France,** delivery times may be systematically superior to the recommended period to start the sample treatment. Laboratories should check their delivery delay in comparison with the P.R.D.T.

The laboratory shall return results. For almost all tests, results are entered via the Member Area. They must be reported and validated by the deadline defined by AGLAE. Beyond this deadline, results that have not been validated will not be statistically treated. AGLAE will not be liable for that. Should the number of results be insufficient, AGLAE reserves the right to not assess the participants' analytical performance, but comments on the results will be made based on the information in our possession.

The laboratory shall not, in any case, disclose its results to any party (other than AGLAE); anyway before test reports are issued.

### 10. Test reports

The objective is to issue test reports as soon as possible. The delay varies between 1 and 10 weeks depending on the difficulty met with data processing (number of parameters, deviations between methods). Our average delay to issue test reports is 2.3 weeks. A provisional date is given for each test: however, these dates are not contractual.

Note that test reviews and test reports have to be downloaded from the Member Area of AGLAE's web site. They are available for all the participants registered for the test. If the laboratory wishes to appeal following its performance assessment, it must contact AGLAE's Quality Manager in writing (email or postal mail).

### 11. Data ownership

**Produced data (in particular precision values) belong solely to the Association.** They are only aimed at laboratories which participated in the test, for internal use of quality management and check or evidence\* of their analytical performance.

Report's reproduction is authorised in its entirety only.

Any use other than those defined above requires preliminary approval from AGLAE under penalty of prosecution; whether it is a usage or communication (full or partial) by laboratories which participated in the test or by third parties.

### 12. Data protection

AGLAE processes personal data that you provide when registering but also during the proficiency testing scheme in compliance with legal obligations.

For more information with regard to the processing of personal data, you may read the section about personal data on [www.association-aglae.fr](http://www.association-aglae.fr).

### 13. Safety policy and respect for the environment

When registering for our tests, laboratories agree to handle samples and dispose of their waste in accordance with the usual caution and current regulations.

*Should there be any differences between the French and English versions of this document, the French version shall prevail.*

\*: evidence to their clients, accreditation bodies or Ministries in the frame of approvals