

Organisation

BOKU University
Department of Agrobiotechnology,
IFA-Tulln, Institute of Bioanalytics
and Agro-Metabolomics,
Konrad-Lorenz-Str. 20, 3430 Tulln, Austria
in cooperation with
Umweltbundesamt GmbH
(Environment Agency Austria),
Spittelauer Lände 5, 1090 Vienna, Austria



We offer

- Interlaboratory comparisons with **synthetic water samples** at concentration levels similar to natural samples (IFA-Tulln).
- Interlaboratory comparisons with **natural samples** (ground, surface, waste water and drinking water), main focus on environmentally active organic compounds (Umweltbundesamt GmbH).
- Comprehensive quality assurance and permanent improvement guarantee the high quality of our PT scheme.
- Quick data evaluation. Our reports are clear and anonymous. All participants will receive written confirmation of their participation with z-scores.
- Every PT round is based on two water samples with different concentrations.
- Target values are available on **www.ifatest.eu** shortly after the closing date for each PT round.
- **All reports are freely accessible** via internet.

Information

• Synthetic water samples

BOKU/IFA-Tulln
Ing. Dr. Stephan Freitag
Tel.: +43 (0)1 47654 97312
ringversuche@boku.ac.at
www.ifatest.eu

• Natural water samples (ground, surface or waste water, drinking water)

Umweltbundesamt GmbH,
Environment Agency Austria
Martha Schmid MSc
Tel.: +43 (0)1 31304 4334
ringversuche@umweltbundesamt.at
www.umweltbundesamt.at/en/proficiency-testing

Registration and billing of all water proficiency tests is handled by the cooperation partner IFA-Tulln.

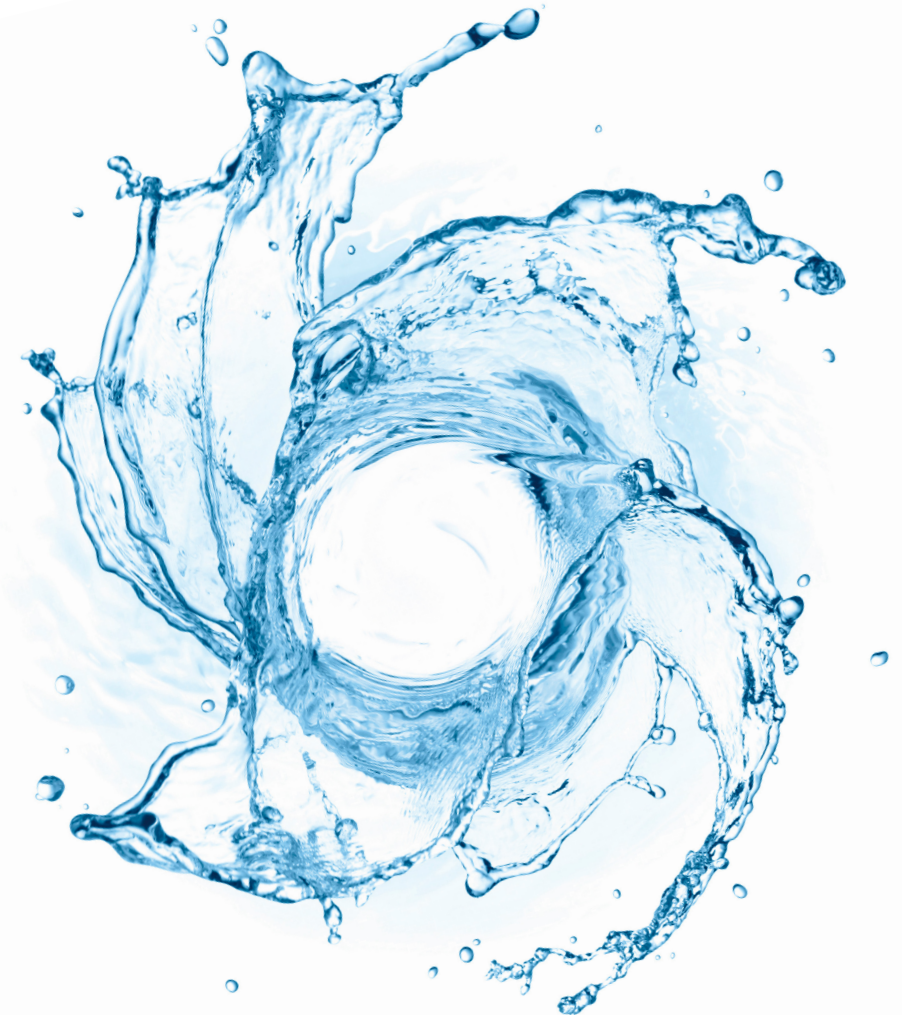
The Instrument of External Water Quality Assurance in Water Analysis

(accredited to EN ISO/IEC 17043:2010 since 2020)

- The IFA-Proficiency Testing Scheme is operated in cooperation with Umweltbundesamt GmbH, Environment Agency Austria.
- Our interlaboratory comparisons are part of the national Austrian ground and surface water monitoring programme (GZÜV 2006 as amended)
- To date more than 1.000 testing laboratories from 40 countries have participated in our interlaboratory comparisons.

Proficiency Testing Scheme for Water Analysis 2025

accredited acc. to EN ISO/IEC 17043



Nutrients/Major Ions

- Total hardness, alkalinity $K_{s,4,3}$, electrical conductivity (25°C), HCO_3^- , Ca^{2+} , Mg^{2+} , Na^+ , K^+ , NO_3^- , NO_2^- , NH_4^+ , Cl^- , SO_4^{2-} , $o-PO_4^{3-}$, B, DOC, total-P (dissolved), (pH, total-N, easily liberatable cyanide, $KMnO_4$ -index, total Si and F)

Metals and Trace Elements

- Al, As, Pb, Cd, Cr, Fe, Cu, Mn, Ni, Hg, Se, U, Zn
E1: Ag, Ce, Co, Li, V, Be, Gd
E2: Ba, Sb, Sn, Mo, Sr, **no Hg!**

Pharmaceuticals, Industrial Chemicals and Artificial Sweeteners

- 4-Acetylaminoantipyrine, Amidotrizoic acid, Atenolol, AZ12 11.03./08.04.2025 (natural samples)
Bisoprolol, Carbamazepine, Diazepam, Diclofenac, 10,11-Dihydro-10,11-Dihydroxycarbamazepine, 4-Formylaminoantipyrine, Ibuprofen, Iopamidol, Metoprolol, Sotalol, Sulfamethoxazole, Benzotriazole, Acesulfame, Cyclamate, Saccharin, Sucralose

Herbicides/Pesticides

- 2,4,5-Trichlorophenoxyacetic acid, 2,4-D, 2,6-Dichlorobenzamide, Alachlor, H001 25.03./29.04.2025 (natural samples)
Alachlor-ESA, Alachlor-OA, AMPA, Atrazine, Atrazine-desethyl, Atrazine-desethyl-desisopropyl, Atrazine-desisopropyl, Bentazone, Chloridazon-desphenyl, Chlorothalonil Metabolites: R417888*, R471811*, R611965*, R611968*, SYN507900*, SYN548580*, SYN548581*; Chlorothalonil-4-hydroxy*, Clopyralid, Cyanazine, Dicamba, Dichlorprop, Dimethachlor Metabolites: CGA 50266*, CGA 354742*, CGA 369873*, CGA 373464 (free acid)*, CGA 373464 (acetic acid methyl ester)*; Glufosinate, Glyphosate, Metazachlor, Metolachlor, S-Metolachlor Metabolites: CGA 368208*, NOA 413173*; Metribuzin*, MPPA*, Nicosulfuron, Prometryn, Propazine, Sebuthylazine, Simazine, Terbuthylazine, Terbuthylazine-desethyl, Terbuthylazin Metabolites: SYN 546009 (LM3)*, CGA 324007 (LM5)*, SYN 545666 (LM6)*; Terbutryn, Tritosulfuron*
* additional substances, not accredited
- 2,6-Dichlorobenzamide, 3,5,6-Trichloro-2-pyridinol*, Acetamiprid, Alachlor, Aldrin, H002 07.10./11.11.2025 (natural samples)
Atrazine, Atrazine-desethyl, Atrazine-desethyl-desisopropyl, Atrazine-desisopropyl, Bromacil, Chlordane, Chloridazon, Chloridazon-desphenyl, Chloridazon-methyl-desphenyl, Clothianidin, Cyanazine, DDD, DDE, DDT, Dieldrin, Dimethachlor*, Dimethenamid, Dinotefurane, Diuron, Endosulfan, Endrin, Heptachlor, Hexazinone*, Imidacloprid, Lindane, Mecoprop, Metazachlor-OA, Metazachlor-ESA, Metolachlor, Metolachlor-OA, Metolachlor-ESA, Metribuzin-Desamino*, N,N-Dimethylsulfamide (DMS), Nitenpyram, Prometryn, Propazine, Quinmerac*, Sebuthylazine, Simazine, Terbuthylazine, Terbuthylazine-2-Hydroxy*, Terbuthylazine-desethyl, Terbutryn, Thiacloprid, Thiamethoxam

Dispatch/Closing date:

- N175 04.02./04.03.2025 (natural samples + total-N, pH)
- N176 03.03./28.03.2025 (synth. samples, Si, F)
- N177 12.05./06.06.2025 (synth. samples + $KMnO_4$ -index)
- N178 08.09./03.10.2025 (synth. samples + CN-, Si, F)
- N179 10.11./05.12.2025 (synth. samples + $KMnO_4$ -index)

- M175 04.02./04.03.2025 (natural samples)
- M176 03.03./28.03.2025 (synth. samples)
- M177 12.05./06.06.2025 (synth. samples + E1)
- M178 08.09./03.10.2025 (synth. samples)
- M179 10.11./05.12.2025 (synth. samples + E2)

Polycyclic aromatic Hydrocarbons

- 16 EPA PAH P26 18.02./18.03.2025 (natural samples)

Volatile Halogenated Hydrocarbons (VHH), BTEX and MTBE

- VHH: Bromodichloromethane, C72 24.02./21.03.2025 (synth. samples, VHH)
Dibromochloromethane, 1,2-Dichloroethane, 1,1-Dichloroethene, cis-1,2-Dichloroethene, trans-1,2-Dichloroethene, Dichloromethane, B14 22.04./20.05.2025 (natural samples, BTEX/MTBE)
Tetrachloroethene, Tetrachloromethane, C73 02.06./27.06.2025 (synth. samples, VHH)
Tribromomethane, 1,1,1-Trichloroethane, Trichloroethene, Trichloromethane; CB12 20.10./14.11.2025 (synth. samples, VHH and/or BTEX/MTBE)
BTEX: Benzene, Toluene, Ethylbenzene, o-Xylene, sum of m-Xylene and p-Xylene; Methyl-tert-butylether (MTBE)

Sum parameters

- Hydrocarbon oil index and Phenol index optional: Hydrocarbon oil index only SP10 13.05./10.06.2025 (natural samples)*

Per- and polyfluoroalkyl substances (PFAS)

- PF4C-PF14C*, PF4S-PF13S*, N-EtFOSAA*, 4:2 FTS*, 6:2 FTS*, 8:2 FTS*, DONA*, GenX*, F-53B*; n-PFHxS*, br-PFHxS (sum)*, n-PFOS*, br-PFOS (sum)*
* not accredited

Registration for all PT rounds

(up to 2 weeks before dispatch)

<https://ifatesten.boku.ac.at/>

Caroline Stadlmann

Tel.: +43 (0)1 47654-97306

ringversuche@boku.ac.at

Minimum 15 participants

