



umweltbundesamt^U
ENVIRONMENT AGENCY AUSTRIA

Proficiency Test (PT) for Pesticides in accordance with the Drinking Water Ordinance

acc. to the Drinking Water Directive
incl. relevant and non-relevant metabolites

No. PM02

We offer

- 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.
- This PT round is based on two drinking water samples with different concentrations.
- Target values will be made available on www.ifatest.eu shortly after the closing date.
- All reports are freely accessible via internet.

The Instrument of External Quality Assurance in Water Analysis

- The IFA Proficiency Testing Scheme is operated in cooperation with Umweltbundesamt GmbH, Environment Agency Austria.
- To date more than 800 testing laboratories from 30 countries have participated in our interlaboratory comparisons.

Organisation

University of Natural Resources
and Life Sciences, Vienna,
Department of Agrobiotechnology, IFA-Tulln,
Center for Analytical Chemistry,
Konrad-Lorenz-Str. 20, 3430 Tulln, Austria
in cooperation with
Umweltbundesamt GmbH,
Environment Agency Austria,
Spittelauer Lände 5, 1090 Vienna, Austria

Proficiency Test (PT) for Pesticides in Accordance with the Drinking Water Ordinance acc. to the Drinking Water Directive incl. relevant and non-relevant metabolites – No. PM02

In addition to our ongoing interlaboratory comparison programme we offer the opportunity to subject your pesticide testing methods for drinking water to an external quality assurance (every two years).

The proficiency test covers all pesticides, relevant and non-relevant metabolites of the drinking water ordinance taking into account Codex chapter B1/drinking water.

Supplements to codex B1 are published by the Federal Ministry of Health based on the resolution of the commission to issue the Austrian Food Code (see BMGF-75210/0005-II/B/13/2017 from 28.02.2017).

Pesticides and metabolites as stipulated in the drinking water ordinance are listed in tabular form in Codex Chapter B1/drinking water, Annex 9 of the Austrian Food Code. These are to be taken into account when establishing a monitoring programme as part of the self-monitoring.

By continuously updating and adapting Codex Chapter B1/drinking water a uniform approach regarding pesticide analysis including specification of relevant and non-relevant metabolites is ensured.

Information on the Proficiency Test

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www.umweltbundesamt.at/ringversuche

New active compounds introduced on the market as well as knowledge on behaviour and evaluation of pesticides and metabolites place high demands on the analysis of pesticides. In order to take these developments into account, the analysis portfolio has to be continuously expanded.

By participating in the proficiency test, you can subject your methods to an external evaluation and draw conclusions about the quality of your methods in comparison with other laboratories.

Take the opportunity of external quality assurance, even if your current portfolio analysis does not yet include all pesticide metabolites.

The proficiency testing of pesticides and metabolites in drinking water samples allows a **comprehensive conclusion on measurement uncertainty**, in case of an adequate number of participants. The measurement uncertainty represents valuable information for analysts, consultants, and water suppliers.

For further questions please contact:
ringversuche@umweltbundesamt.at

Registration for the Proficiency Test PM02 (deadline: two weeks before sample dispatch)

- Caroline Stadlmann
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caroline.stadlmann@boku.ac.at
- Online-Registration: www.ifatest.eu
Minimum 15 participants

PM02

- Matrix: drinking water (spiked)
- Samples: 2 (spiked), each pesticide/metabolite is present in at least one sample (concentration: range 1/4 up to 10-fold of parameter value/ action value for metabolites acc. to codex B1)
- **Sample dispatch:** 11.09.2018
- **Closing date:** 16.10.2018 (5 weeks after sample dispatch)
- **Cost:** EUR 520,- (excl. shipping)

Parameters tested

Pesticides: 2,4-D (2,4-Dichlorophenoxyacetic acid), 2,4-DP (Dichlorprop), Alachlor, Aldrin, Atrazine, Azoxystrobin, Bentazone, Bromacil, Chloridazon, Clopyralid, Clothianidin, Dicamba, Dieldrin, Dimethachlor, Dimethenamid-P, Diuron, Ethofumesate, Flufenacet, Glufosinate, Glyphosate, Heptachlor, Heptachlorepoxyde, Hexazinone, Imidacloprid, Iodosulfuron-methyl, Isoproturon, MCPA, MCPB, MCPP (Mecoprop), Mesosulfuron-methyl, Metalaxyl-M, Metamitron, Metazachlor, Metolachlor, Metribuzin, Metsulfuron-methyl, Nicosulfuron, Pethoxamid, Propazine, Propiconazole, Simazine, Terbutylazine, Thiachloprid, Thiamethoxam, Thifensulfuron-methyl, Tolyfluanid, Tribenuron-methyl, Triclopyr, Triflurosulfuronmethyl, Tritosulfuron

Relevant metabolites: 2-Amino-4-methoxy-6-methyl-1,3,5-triazine, 3,5,6-Trichloro-2-pyridinol, 6-Chloro-1,3,5-Triazine-2,4-Diamine (Atrazine-desethyl-desisopropyl), Atrazine-desethyl, Atrazine-desisopropyl, Dimethachlor Metabolite CGA 369873, Dimethachlor Metabolite CGA 373464 (acetic acid methyl ester), Dimethachlor Metabolite CGA 373464 (free acid), Dimethachlor oxalamic acid (CGA 50266, Dimethachlor-OA), Dimethachlor ethane sulfonic acid (CGA 354742, Dimethachlor-ESA), Isoproturon-desmethyl, Propazine-2-hydroxy, Terbutylazine-2-hydroxy, Terbutylazine-2-hydroxy-desethyl, Terbutylazine-desethyl

Non-relevant metabolites:

2,6-Dichlorobenzamide, Alachlor-t-acid (Alachlor-OA), Alachlor-t-sulfonic acid (Alachlor-ESA), Amino-methylphosphonic acid (AMPA), Atrazine-2-hydroxy, Azoxystrobin-O-demethyl (CyPM), Chloridazon-desphenyl, Chloridazon-methyl-desphenyl, Dimethenamid-P-acid (Dimethenamid-OA), Dimethenamid-P-sulfonic acid (Dimethenamid-ESA), Flufenacet oxanilic acid (Flufenacet-OA), Flufenacet sulfonic acid (Flufenacet-ESA), Metazachlor oxanilic acid (Metazachlor-OA), Metazachlor ethane sulfonic acid (Metazachlor-ESA), Metribuzin-Desamino, N,N-Dimethylsulfamide (DMS), s-Metolachlor Metabolite CGA 368208, s-Metolachlor Metabolite NOA 413173, s-Metolachlor oxanilic acid (Metolachlor-OA), s-Metolachlor ethanesulfonic acid (Metolachlor-ESA)

Bottles and volume per sample:

Number/volume: optional
2 x 1,000 ml (Al) and 1 x 1,000 ml (pl.) or
4 x 1,000 ml (Al) and 2 x 1,000 ml (pl.) per sample

Vessel: Aluminium (Al) or plastic (pl.) container for AMPA, Glufosinate, Glyphosate

Stabilisation: no

Refrigeration: yes

Suggested time frame for the analysis: $T_0 + 8$
(within 8 days after sample dispatch)