



NIBIO

NORWEGIAN INSTITUTE OF
BIOECONOMY RESEARCH

Analyses of environmental samples

Division of Biotechnology and Plant Health
Department of Pesticides and Natural Products Chemistry



NORWEGIAN
ACCREDITATION
TEST 035

NIBIO, Dept. Pesticides and Natural Products Chemistry offers analysis of pesticides in water, soil/sediment, and fertilizer. Furthermore, we offer various single residue analyses for organic compounds.

The laboratory was accredited in 1997 and has a flexible accreditation scope. Most of the methods are accredited. Quality assurance and expanding the scope of accredited methods is a continuous priority.



Photo: Erling Fløistad, NIBIO

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Water analyses

Method/parameter	Method	Accredited	Limit of quantification
GC-MS method for acidic herbicides (9 compounds)	M15	Yes	0.01 – 0.1 µg/L
Glyphosate/AMPA; LC-MS/MS	M59	No	0.05 µg/L
Linear alcohol ethoxylates (C10, C12 and C14); LC-MS/MS	M67	Yes	1 µg/L
Metribuzin + 3 metabolites; LC-MS/MS	M76	No	0.01 – 0.02 µg/L
Low-dose herbicides (6 herbicides and 4 metabolites); LC-MS/MS	M72	No	0.0001-0.010 µg/L
GC-MS/MS Multi-method for pesticides (32 compounds)	M154	No	0.01 – 0.05 µg/L
LC-MS/MS Multi-method for pesticides (107 compounds)	M155	No	0.01 – 0.05 µg/L

Contact the laboratory if you want to determine pesticides not specified in these methods.

Please visit www.nibio.no/en for sampling guidelines and information on completing the analysis request forms.



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Photo: Kariane Bogsti, NIBIO

Analyses of soil and sediments

Method/parameter	Method	Accredited	Limit of quantification
LC-MS/MS Multi-method (273 compounds)	M86	No	0.01 – 0.05 mg/kg
LC-MS/MS Multi-method for acidic herbicides (23 compounds)	M90	No	0.01 – 0.02 mg/kg
GC-MS/MS Multi-method (107 compounds)	M93	No	0.01 – 0.05 mg/kg
Linear alcohol ethoxylates (C10, C12 and C14); LC-MS/MS	M77	No	0.2 mg/kg
Aminopyralid og clopyralid in soil, compost and fertilizer; LC-HRMS	M125	No	2 - 7 µg/kg

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