

Pre-approved Commercial Laboratories: Fixed Base and Mobile

Guidance Document 23

The laboratories listed below have submitted information requested on Minnesota Department of Agriculture (MDA) guidance document GD24 Fixed Base Laboratory Quality Assurance/Quality Control Plans. The information has been reviewed and these labs can be used by contractors to perform analysis without submitting additional laboratory information. Pre-approved commercial laboratories have Quality Assurance/Quality Control Plans and methods on file with the MDA.

The pre-approved laboratories must use the methods that are approved and on file with the MDA. We have noted on the listing if a laboratory's reporting limit does not meet the program reporting limits (RL) required at most MDA agricultural chemical sites. This list will be updated periodically.

If a contractor is considering using a laboratory not on the pre-approved list, the laboratory should submit the information required on MDA guidance document GD24 Fixed Base Laboratory Quality Assurance/Quality Control Plans at least two (2) months prior to analysis to allow MDA staff to review and approve the method.

The current MDA Lists 1 and 2 Pesticides and Nutrients are listed below. It is the responsibility of the contractor to ensure that the correct compound list is analyzed, and the site-specific target compound reporting limits are met. The pre-approved commercial laboratory program is not a certification program, nor does MDA endorse any particular laboratory. The MDA pesticide programs operate under Environmental Protection Agency Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) guidelines.

The MDA also pre-approves mobile field methods for use on agricultural chemical incident investigations and cleanups. Field or mobile laboratories interested in becoming pre-approved must submit the information outlined in MDA guidance document GD25 Mobile Laboratory Quality Assurance/Quality Control Plans, which can be found on the MDA website.

<u>MDA List 1 Pesticides</u>	Soils RL	Water RL	<u>MDA List 2 Pesticides</u>	Soils RL	Water RL
	(mg/Kg)	(µg/L)		(mg/Kg)	(µg/L)
Acetochlor (Harness/Surpass)	0.05	0.5	2,4-D	0.1	0.5
Alachlor (Lasso)	0.05	0.5	2,4-DB (Butyrap)	0.1	0.5
Atrazine (Aatrex)	0.05	0.5	2,4,5-T	0.1	0.5
Deethylatrazine	0.05	0.5	2,4,5-TP (Silvex)	0.1	0.5
Deisopropylatrazine	0.05	0.5	Bentazon (Basagran)	0.1	0.5
Dimethenamid (Frontier)	0.05	0.5	Dicamba (Banvel)	0.1	0.5
Chlorpyrifos (Lorsban)	0.05	0.5	MCPA	0.1	0.3
Cyanazine (Bladex)	0.05	0.2	Picloram (Tordon)	0.1	0.5
EPTC (Eptam/Eradicane)	0.05	0.5	Triclopyr (Garlon)	0.1	0.5
Ethalfluralin (Sonalan)	0.05	0.5			
Fonofos (Dyfonate)	0.05	0.5	<u>Nutrients</u>		Soils RL
Metolachlor (Dual)	0.05	0.5			(mg/Kg)
Metribuzin (Lexone/Sencor)	0.05	0.5	Ammonia – N	20	0.05
Pendimethalin (Prowl)	0.05	0.5	Nitrate + Nitrite – N	NA	1.0
Phorate (Thimet)	0.05	0.3	Nitrate – N	10	NA
Prometon (Pramitol)	0.05	0.5	Total Kjeldahl Nitrogen	150	1.0
Propachlor (Ramrod)	0.05	0.5			
Propazine (Milogard)	0.05	0.5			
Simazine (Princep)	0.05	0.5			
Terbufos (Counter)	0.05	0.2			
Triallate (Far-go)	0.05	0.5			
Trifluralin (Treflan)	0.05	0.5			

NA = Not Applicable

Pre-Approved Commercial Laboratories and Methods: Fixed Base and Mobile

Pre-Approved Commercial Laboratories and Methods:
Fixed Base and Mobile (continued)

Pace Analytical Services – Minneapolis, MN *Fixed Base*

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Water

Ammonia

Nitrate + Nitrite

Status: Information in the laboratory's file is current for calendar year unless noted.

*The mobile laboratory is not approved for all situations and must be pre-approved by MDA staff prior to use:

- Mobile laboratories equipped with gas chromatography and mass spectrometry (GC/MS) may be used for initial site sample analysis of pesticides.
- Mobile laboratories equipped with alternative detectors such as electron capture (ECD) or flame ionization (FID) require at least 10% of the samples to be collected in duplicate at the same time as the initial samples. The duplicate samples must be analyzed by an independent fixed base GC/MS laboratory.
- Subsequent site sample analyses by mobile laboratories with ECD or FID detectors may be allowed by MDA, if it has been shown that there are no other analytes of concern.
- Excavated soils must be analyzed by GC/MS to meet disposition evaluation requirements, before off-site disposal, land application or other treatment or disposal.