

Eurofins | mgt EnviroNote 1056

## Clandestine Drugs and PFBA added to PFASs



At Eurofins | mgt we are vigilant of emerging issues and in response we have added some new capabilities to our extensive range of analytical testing.

To support clean-up operations of clandestine and illicit drug laboratories we are pleased to announce a new LC-MS/MS analytical method to determine the presence of illicit drugs, methamphetamine, precursors and adulterants.

Samples are taken from non-porous surfaces such as bench tops, mirrors or metal surfaces sampling may be achieved through the collection of wipe or swab samples of 100 cm<sup>2</sup> inside the premises or soil from outside or where suspected premises may have been located.

This testing covers methamphetamine and its' common precursors namely ephedrine, pseudoephedrine and amphetamine but the method is also capable of determining an extensive range of illicit drugs that may also be present. Other potential contaminants such as HCl, Pb, Hg, I<sub>2</sub> as well as VOCs are covered in a cost effective analysis P2P suite as well as a custom designed sampling kit designed to allow you to take the prescribed 100 cm<sup>2</sup> swab/wipe plus sample bottles/tubes for all the remaining contaminants.

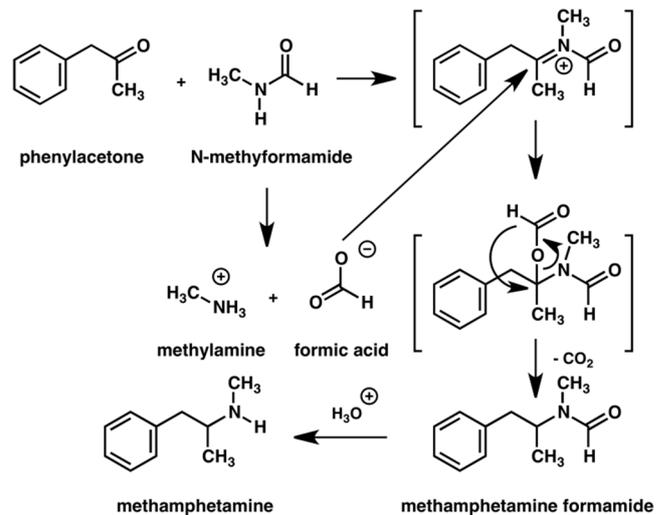


Figure 1: Leuckart synthesis of methamphetamine

### Additional PFAS added to our Per- and Polyfluoroalkyl Substances Capabilities

In response to requests from clients undertaking ecological risk assessments and recent developments in Minnesota, where the Minnesota Department of Health (MDH) has developed drinking water criteria, known as Health Risk Limits (HRLs), for PFOA and PFOS. HRLs represent levels of chemicals in water that MDH considers safe for people to drink. MDH has set the following chronic HRLs for the following PFASs in drinking water:

Perfluorobutane sulfonate (PFBS):	7 µg/L
Perfluorobutanoic acid (PFBA):	7 µg/L
Perfluorooctane sulfonate (PFOS):	0.3 µg/L
Perfluorooctanoic acid (PFOA):	0.3 µg/L

Eurofins have modified its' existing LC-MS/MS methodology for soils, sediments and waters to now include PFBA in its full suite of PFAS compounds.

If you would like further specialist discussion with respect to these new developments please contact our National Technical Manager Dr. Bob Symons – [BobSymons@eurofins.com](mailto:BobSymons@eurofins.com) or our Business Development Team for a quotation.

### Results You Can Trust

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#### Eurofins

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