

PT 45a: Compost – Hg, PAH and PCB

Details of the program:

- Proficiency testing scheme created in 2017
- 1 round per annual series
- The time for analysis is 4 weeks
- Samples are shipped via express carrier around the 15th of the month.

Schedule:

DATE	CODE	MATRIX	VOLUME
January	1045	Household waste compost	150 g

ANALYTES

Mercury (Hg)

Method:

- Dissolution: EN 13650
- Analysis methods: AAS, ICP or other method.

Polycyclic aromatic hydrocarbons (PAH):

acenaphthene, acenaphthylene, anthracene, benzo (a) anthracene, benzo (a) pyrene, benzo (b) fluoranthene, benzo (ghi) perylene, benzo (k) fluoranthene, chrysene, dibenzo (ah) anthracene, fluoranthene, fluorene, indeno (1,2,3-cd) pyrene, naphthalene, phenanthrene, pyrene

Method:

- Sample extraction: PLE, soxhlet, micro-waves or other method
- Analysis methods: NF EN ISO 17993, NF T 90-115, XP X33-012 or other method
- Chromatographic detection: HPLC/FLUORIMETRY, GC/MS or other method.

Polychlorinated biphenyls (PCB) :

(PCB 28, PCB52, PCB101, PCB118, PCB138, PCB153, PCB180)

Method:

- **Sample extraction: PLE, soxhlet, micro-waves or other method**
 - **Analysis methods: XP X30-453, XP X33-012, NF EN ISO 6468, NF EN 16167 or other method**
- Chromatographic detection: ECD, MS or other method.**

Note: Matrices and analytes may be changed or removed for technical or scientific reasons.

Please refer to current application form available in your member area (www.bipea.org).