

Fapas® – List of Peer-Reviewed Publications

December 2019

1. Thompson, M, Sykes, M, & Wood, R, (2019) Comparisons between reproducibility standard deviations (SD_R) derived from proficiency tests and from collaborative trials: mycotoxins in food, *Accreditation and Quality Assurance*, DOI: 10.1007/s00769-019-01413-8.
2. Beavis, G, Wilson, J, & Sykes, M, (2019) Quantitative scores for binary qualitative proficiency testing, *Accreditation and Quality Assurance*, 24 (4), 263. DOI: 10.1007/s00769-019-01386-8.
3. Senyuva, H.Z., Baricevic Jones, I, Sykes, M, & Baumgartner, S, (2019): A critical review of the specifications and performance of antibody and DNA-based methods for detection and quantification of allergens in foods, *Food Additives and Contaminants: Part A*, DOI: 10.1080/19440049.2019.1579927.
4. Sykes, M, Czymai, T, Hektor, T, Sharman, M, & Knaggs, M, (2017) Chloramphenicol stereoisomers need to be distinguished: consequences observed from a proficiency test, *Food Additives & Contaminants: Part A*, 34:4, 536-541, DOI: 10.1080/19440049.2016.1270469.
5. Sykes, M, Mathieson, K, Anderson, D, Hutton, E, Knaggs, M, Advantages of proficiency test items utilising real food matrices, *EuroReference*, 2016, 1, 13-26.
6. Sykes, M, Thompson, M, Assessing the stability of a proficiency test material by participant-blind re-use after a period of storage, *Anal Meth*, 2015, DOI: 10.1039/C5AY02255J, 7, 9753-9755.
7. Fields, B, Sykes, M. Assessment of fitness for purposes utilisation of 5-hydroxymethyl-2-fufural quantification analysis in FAPAS proficiency tests, *Anal Meth*, 2015, DOI: 10.1039/c5ay01851j.
8. Sykes, M, Knaggs, M, Hunter, S, Leach, E, Eaton, C, Anderson, D, Some selected discrepancies observed in food chemistry proficiency tests, *Quality Assurance and Safety of Crops and Foods (QAS)*, 2014, 6 (3), 291-297. DOI: 10.3920/QAS2013.0373.
9. Thompson, M, Sykes, M, Knaggs, M, Hunter, S, A concise summary of participants' performance in a proficiency testing scheme, *Anal Meth*, 2013, 5, 4927, DOI: 10.1039/c3ay40716k.
10. Sykes, M, Rose, M, Holland, J, Wenzl, T, Kelly, J, Anderson, D, Proficiency test results for PAH analysis are not method-dependent, *Anal Meth*, 2013, 5 (19), 5345-5350, DOI: 10.1039/C3AY40850G.
11. Sykes, M, Thompson, M, Reynolds, S, Pesticide residues in food-based proficiency test materials, spiking values versus consensus assigned values, *J Agri Food Chem*, 2013, DOI: 10.1021/jf4003363.
12. Sykes, M, Croucher, J, Smith, RA, Resolution of vitamin A cis/trans isomers resolves proficiency test assessments, *Food Chem*, 2013, 141 (3), 1597-1602, DOI: 10.1016/j.foodchem.2013.05.086.
13. Sykes, M, Anderson, D, Parmar, B, Normalisation of data from allergens proficiency tests, *Anal Bioanal Chem*, 2012, 403 (10), 3069, DOI: 10.1007/s00216-012-5780-6.
14. Sykes, M, Proficiency testing for the improvement of analytical practice, *Accred Qual Assur*, 2012, 17 (4), 467, DOI: 10.1007/s00769-012-0878-2.

15. Sykes, M, Croucher, J, Smith, RA, Proficiency testing has improved the quality of data of total vitamin B2 analysis in liquid dietary supplement, *Anal Bioanal Chem*, 2011, **400**:305-310.
16. Sykes, M, Parmar, B, Knaggs, M, Review of sodium analysis proficiency test results, *Food Additives and Contaminants: Part A*, 2011, **28** (2), 136-144.
17. Owen, L. and Gilbert, J., 2009, Proficiency testing for quality assurance of allergens methods, *Analytical and Bioanalytical Chemistry*, **395(1)**, 147-153.
18. Thompson, M., Ellison, S.L.R., Owen, L., Mathieson, K., Powell, J., Key, P., Wood, R., Damant, A., 2006, Scoring in GMO Proficiency Tests based on log-transformed results, *J. OAC Int.*, **89** (1), 232-239.
19. Powell, J. and Owen, L., 2002, Reliability of Food Measurements: The Application of Proficiency Testing to GMO Analysis, *Accred. Qual. Assur.*, **7**, 392-402.