

Table S5: Linearity of calibration curves in solvent and in spiked matrix, determined in three replicates.

| <i>f(x)</i> | Solvent (n = 3) | | | Spiked Matrix (n = 3) | | | Concentration range (ng/ml) |
|-------------|-----------------|-------|----------------|-----------------------|-------|----------------|-----------------------------|
| | y | x | R ² | y | x | R ² | |
| 2-AG (1) | 0.003 | 0.221 | 0.997 | 0.007 | 0.219 | 0.999 | 0.08 - 5 |
| 2-AG (2) | 0.006 | 0.129 | 0.995 | 0.002 | 0.127 | 0.997 | |
| 2-LG (1) | 0.002 | 0.106 | 0.999 | 0.013 | 0.108 | 0.999 | 0.16 - 40 |
| 2-LG (2) | 0.000 | 0.063 | 0.999 | 0.021 | 0.104 | 0.996 | |
| 2-OG (1) | 0.006 | 0.079 | 0.996 | 0.031 | 0.075 | 0.990 | 0.16 - 60 |
| 2-OG (2) | 0.014 | 0.072 | 0.999 | 0.005 | 0.067 | 0.986 | |
| NE (1) | 0.003 | 0.282 | 0.997 | 0.002 | 0.283 | 0.996 | 0.02 - 1.25 |
| NE (2) | 0.000 | 0.081 | 0.996 | -0.007 | 0.074 | 0.980 | |
| NAGly (1) | 0.001 | 0.094 | 0.999 | 0.001 | 0.105 | 0.998 | 0.04 - 2.5 |
| NAGly (2) | 0.001 | 0.039 | 0.997 | 0.003 | 0.054 | 0.995 | |
| PEA (1) | 0.024 | 0.710 | 0.998 | 0.045 | 0.703 | 0.999 | 0.08 - 8 |
| PEA (2) | 0.002 | 0.047 | 0.997 | 0.000 | 0.047 | 0.998 | |
| SEA (1) | 0.021 | 0.750 | 0.998 | 0.042 | 0.713 | 0.989 | 0.016 - 4 |
| SEA (2) | -0.106 | 0.048 | 0.999 | 0.002 | 0.043 | 0.987 | |
| POEA (1) | 0.001 | 6.557 | 0.999 | 0.033 | 6.416 | 0.998 | 0.008 - 0.5 |
| POEA (2) | 0.002 | 0.472 | 0.998 | 0.034 | 0.525 | 0.972 | |
| OEA (1) | 0.004 | 0.388 | 0.996 | 0.023 | 0.405 | 0.999 | 0.08 - 8 |
| OEA (2) | 0.000 | 0.027 | 0.995 | 0.000 | 0.028 | 0.998 | |
| VEA (1) | 0.001 | 0.354 | 0.998 | 0.026 | 0.391 | 0.999 | 0.08 - 8 |
| VEA (2) | 0.000 | 0.025 | 0.996 | 0.002 | 0.028 | 0.997 | |
| tVEA (1) | 0.000 | 0.517 | 0.997 | 0.002 | 0.572 | 0.994 | 0.008 - 0.5 |
| tVEA (2) | 0.000 | 0.037 | 0.994 | 0.001 | 0.037 | 0.983 | |
| EEA (1) | -0.002 | 0.423 | 0.998 | 0.000 | 0.499 | 0.996 | 0.008 - 0.5 |
| EEA (2) | 0.000 | 0.029 | 0.989 | 0.000 | 0.030 | 0.982 | |
| tPeEA (1) | -0.001 | 0.367 | 0.999 | 0.002 | 0.322 | 0.996 | 0.008 - 0.5 |
| tPeEA (2) | 0.000 | 0.027 | 0.990 | 0.000 | 0.024 | 0.991 | |
| AEA (1) | 0.008 | 2.810 | 0.997 | 0.043 | 2.904 | 0.999 | 0.04 - 2.5 |
| AEA (2) | 0.009 | 1.038 | 0.998 | 0.010 | 1.032 | 0.999 | |
| ETEA (1) | -0.001 | 2.512 | 0.999 | 0.008 | 2.546 | 0.999 | 0.008 - 0.5 |
| ETEA (2) | 0.004 | 0.389 | 0.995 | 0.000 | 0.389 | 0.991 | |
| EPEA (1) | -0.001 | 1.868 | 0.995 | 0.003 | 1.886 | 0.999 | 0.008 - 0.5 |
| EPEA (2) | 0.001 | 0.912 | 0.998 | -0.012 | 0.932 | 0.994 | |
| DHEA (1) | -0.002 | 2.637 | 0.998 | 0.009 | 2.607 | 0.998 | 0.02 - 1.25 |
| DHEA (2) | -0.006 | 1.684 | 0.998 | 0.005 | 1.635 | 0.998 | |
| ALEA (1) | 0.000 | 0.632 | 0.999 | -0.001 | 0.676 | 0.998 | 0.008 - 0.5 |
| ALEA (2) | 0.000 | 0.082 | 0.994 | 0.000 | 0.093 | 0.980 | |
| GLEA (1) | 0.001 | 0.636 | 0.999 | 0.000 | 0.681 | 0.999 | 0.008 - 0.5 |
| GLEA (2) | 0.001 | 0.166 | 0.997 | 0.000 | 0.191 | 0.990 | |
| LEA (1) | -0.005 | 1.315 | 0.998 | 0.023 | 1.373 | 0.999 | 0.04 - 2.5 |
| LEA (2) | 0.001 | 0.091 | 0.997 | -0.006 | 0.095 | 0.994 | |
| DALEA (1) | 0.000 | 0.687 | 0.997 | 0.002 | 0.738 | 0.998 | 0.008 - 0.5 |
| DALEA (2) | -0.001 | 0.089 | 0.991 | 0.000 | 0.076 | 0.987 | |
| DGLEA (1) | -0.001 | 0.835 | 0.998 | 0.003 | 0.864 | 0.995 | 0.008 - 0.5 |
| DGLEA (2) | -0.001 | 0.115 | 0.990 | -0.002 | 0.117 | 0.987 | |