# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032816\
Data File : BG021522.D
Acq On : 28 Mar 2016 12:16
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02021

Quant Time: Mar 29 01:37:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG031616.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Mar 25 23:28:37 2016
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 2 | | 1,4-Dioxane | 0.602 | 0.817 | -35.7# | 110 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.446 | 0.526 | -17.9 | 84 | 0.00 |
| 4 | | Benzaldehyde | 1.152 | 1.254 | -8.9 | 83 | 0.00 |
| 5 | S | Phenol-d5 | 1.891 | 1.842 | 2.6 | 81 | 0.00 |
| 6 | | Phenol | 1.999 | 1.890 | 5.5 | 81 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.120 | 1.127 | -0.6 | 86 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.447 | 1.374 | 5.0 | 78 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.436 | 1.407 | 2.0 | 83 | 0.00 |
| 10 | | 2-Chlorophenol | 1.476 | 1.453 | 1.6 | 82 | 0.00 |
| 11 | | 2-Methylphenol | 1.538 | 1.482 | 3.6 | 83 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.745 | 1.568 | 10.1 | 75 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.619 | 1.688 | -4.3 | 90 | 0.00 |
| 14 | | Acetophenone | 2.642 | 2.577 | 2.5 | 84 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.465 | 1.454 | 0.8 | 82 | 0.00 |
| 16 | | 4-Methylphenol | 1.745 | 1.623 | 7.0 | 80 | 0.00 |
| 17 | | Hexachloroethane | 0.619 | 0.607 | 1.9 | 82 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.150 | 0.157 | -4.7 | 87 | 0.00 |
| 20 | | Nitrobenzene | 0.424 | 0.441 | -4.0 | 86 | 0.00 |
| 21 | | Isophorone | 0.817 | 0.821 | -0.5 | 84 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.172 | 0.179 | -4.1 | 87 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.189 | 0.182 | 3.7 | 80 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.427 | 0.431 | -0.9 | 83 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.426 | 0.407 | 4.5 | 80 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.307 | 0.310 | -1.0 | 85 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.318 | 0.311 | 2.2 | 82 | 0.00 |
| 28 | | Naphthalene | 1.060 | 1.009 | 4.8 | 80 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.401 | 0.440 | -9.7 | 86 | 0.00 |
| 30 | | 4-Chloroaniline | 0.421 | 0.448 | -6.4 | 86 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.234 | 0.220 | 6.0 | 79 | 0.00 |
| 32 | | Caprolactam | 0.120 | 0.149 | -24.2# | 110 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.389 | 0.418 | -7.5 | 90 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.787 | 0.768 | 2.4 | 82 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.764 | 0.738 | 3.4 | 81 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.700 | 0.665 | 5.0 | 84 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.256 | 0.191 | 25.4# | 93 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.412 | 0.414 | -0.5 | 89 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.449 | 0.466 | -3.8 | 93 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.636 | 1.533 | 6.3 | 82 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.280 | 1.180 | 7.8 | 82 | 0.00 |
| 43 | | 2-Nitroaniline | 0.446 | 0.465 | -4.3 | 92 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.665 | 1.657 | 0.5 | 89 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.730 | 1.693 | 2.1 | 88 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.353 | 0.357 | -1.1 | 88 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 2.053 | 1.964 | 4.3 | 85 | 0.00 |
| 48 | | Acenaphthylene | 2.034 | 1.988 | 2.3 | 87 | 0.00 |
| 49 | | 3-Nitroaniline | 0.327 | 0.365 | -11.6 | 95 | 0.00 |
| 50 | C | Acenaphthene | 1.403 | 1.340 | 4.5 | 84 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.178 | 0.213 | -19.7 | 122 | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.266 | 0.234 | 12.0 | 101 | 0.00 |
| 53 | | 4-Nitrophenol | 0.276 | 0.277 | -0.4 | 92 | 0.00 |
| 54 | | Dibenzofuran | 1.965 | 1.861 | 5.3 | 85 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.518 | 0.554 | -6.9 | 93 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.328 | 0.349 | -6.4 | 93 | 0.00 |
| 57 | | Diethylphthalate | 1.849 | 1.827 | 1.2 | 89 | 0.00 |
| 58 | S | Fluorene-d10 | 1.501 | 1.432 | 4.6 | 86 | 0.00 |
| 59 | | Fluorene | 1.718 | 1.649 | 4.0 | 86 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.902 | 0.843 | 6.5 | 84 | 0.00 |
| 61 | | 4-Nitroaniline | 0.342 | 0.377 | -10.2 | 98 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 105 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.132 | 0.128 | 3.0 | 99 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.140 | 0.134 | 4.3 | 98 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.620 | 0.580 | 6.5 | 91 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.234 | 0.218 | 6.8 | 91 | 0.00 |
| 67 | | Hexachlorobenzene | 0.246 | 0.223 | 9.3 | 87 | 0.00 |
| 68 | | Atrazine | 0.250 | 0.249 | 0.4 | 97 | 0.00 |
| 69 | C | Pentachlorophenol | 0.065 | 0.060 | 7.7 | 105 | 0.00 |
| 70 | | Phenanthrene | 1.133 | 1.085 | 4.2 | 92 | 0.00 |
| 71 | S | Anthracene-d10 | 0.980 | 0.940 | 4.1 | 93 | 0.00 |
| 72 | | Anthracene | 1.152 | 1.114 | 3.3 | 93 | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.280 | 0.249 | 11.1 | 85 | 0.00 |
| 74 | | Pentachlorobenzene | 0.291 | 0.259 | 11.0 | 85 | 0.00 |
| 75 | | Carbazole | 0.997 | 0.995 | 0.2 | 96 | 0.00 |
| 76 | | Di-n-butylphthalate | 1.286 | 1.299 | -1.0 | 96 | 0.00 |
| 77 | C | Fluoranthene | 1.367 | 1.380 | -1.0 | 97 | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 106 | 0.00 |
| 79 | S | Pyrene-d10 | 0.933 | 0.928 | 0.5 | 96 | 0.00 |
| 80 | | Pyrene | 1.192 | 1.181 | 0.9 | 96 | 0.00 |
| 81 | | Butylbenzylphthalate | 0.503 | 0.482 | 4.2 | 95 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.415 | 0.424 | -2.2 | 95 | 0.00 |
| 83 | | Benzo(a)anthracene | 1.207 | 1.175 | 2.7 | 94 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.736 | 0.702 | 4.6 | 92 | 0.00 |
| 85 | | Chrysene | 1.143 | 1.082 | 5.3 | 92 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 103 | 0.01 |
| 87 | | Di-n-octyl phthalate | 1.358 | 1.314 | 3.2 | 94 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.285 | 1.195 | 7.0 | 88 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.262 | 1.175 | 6.9 | 90 | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 0.923 | 0.867 | 6.1 | 90 | 0.01 |
| 91 | C | Benzo(a)pyrene | 1.247 | 1.192 | 4.4 | 92 | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.417 | 1.334 | 5.9 | 91 | 0.00 |
| 93 | | Dibenzo(a,h)anthracene | 1.206 | 1.122 | 7.0 | 89 | 0.01 |
| 94 | | Benzo(g,h,i)perylene | 1.166 | 1.086 | 6.9 | 89 | 0.00 |

(#) = Out of Range SPCC's out = 0 CCC's out = 0