# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG123015\
Data File : BG020638.D
Acq On : 31 Dec 2015 12:40
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02009

Quant Time: Dec 31 16:12:44 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG123015.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 31 03:43:50 2015
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 | 120 | 0.00 |
| 2 | | 1,4-Dioxane | 0.422 | 0.482 | -14.2 | 136 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.334 | 0.367 | -9.9 | 110 | 0.00 |
| 4 | | Benzaldehyde | 1.035 | 1.128 | -9.0 | 112 | 0.00 |
| 5 | S | Phenol-d5 | 1.689 | 1.748 | -3.5 | 118 | 0.00 |
| 6 | | Phenol | 1.820 | 1.855 | -1.9 | 114 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.022 | 1.048 | -2.5 | 115 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.298 | 1.350 | -4.0 | 115 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.292 | 1.374 | -6.3 | 117 | 0.00 |
| 10 | | 2-Chlorophenol | 1.350 | 1.381 | -2.3 | 115 | 0.00 |
| 11 | | 2-Methylphenol | 1.402 | 1.436 | -2.4 | 116 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 1.697 | 1.768 | -4.2 | 114 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.449 | 1.476 | -1.9 | 114 | 0.00 |
| 14 | | Acetophenone | 2.375 | 2.395 | -0.8 | 112 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.199 | 1.248 | -4.1 | 113 | 0.00 |
| 16 | | 4-Methylphenol | 1.551 | 1.608 | -3.7 | 117 | 0.00 |
| 17 | | Hexachloroethane | 0.567 | 0.597 | -5.3 | 118 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 113 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.155 | 0.171 | -10.3 | 116 | 0.00 |
| 20 | | Nitrobenzene | 0.386 | 0.421 | -9.1 | 114 | 0.00 |
| 21 | | Isophorone | 0.751 | 0.819 | -9.1 | 111 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.179 | 0.199 | -11.2 | 111 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.189 | 0.208 | -10.1 | 117 | 0.00 |
| 24 | | 2,4-Dimethylphenol | 0.398 | 0.450 | -13.1 | 116 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.415 | 0.460 | -10.8 | 114 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.341 | 0.379 | -11.1 | 113 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.352 | 0.388 | -10.2 | 114 | 0.00 |
| 28 | | Naphthalene | 1.059 | 1.143 | -7.9 | 112 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.405 | 0.472 | -16.5 | 115 | 0.00 |
| 30 | | 4-Chloroaniline | 0.416 | 0.475 | -14.2 | 113 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.284 | 0.311 | -9.5 | 116 | 0.00 |
| 32 | | Caprolactam | 0.121 | 0.129 | -6.6 | 114 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.381 | 0.442 | -16.0 | 119 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.793 | 0.860 | -8.4 | 113 | 0.00 |
| 35 | | 1-Methylnaphthalene | 0.765 | 0.824 | -7.7 | 112 | 0.00 |
| 36 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 37 | | 1,2,4,5-Tetrachlorobenzene | 0.770 | 0.832 | -8.1 | 110 | 0.00 |
| 38 | | Hexachlorocyclopentadiene | 0.277 | 0.151 | 45.5# | 71 | 0.00 |
| 39 | C | 2,4,6-Trichlorophenol | 0.431 | 0.476 | -10.4 | 110 | 0.00 |
| 40 | | 2,4,5-Trichlorophenol | 0.473 | 0.518 | -9.5 | 107 | 0.00 |
| 41 | | 1,1'-Biphenyl | 1.505 | 1.649 | -9.6 | 111 | 0.00 |
| 42 | | 2-Chloronaphthalene | 1.211 | 1.320 | -9.0 | 111 | 0.00 |
| 43 | | 2-Nitroaniline | 0.348 | 0.399 | -14.7 | 112 | 0.00 |
| 44 | S | Dimethylphthalate-d6 | 1.637 | 1.743 | -6.5 | 107 | 0.00 |

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Max. RRF Dev : 20% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | Dimethylphthalate | 1.672 | 1.785 | -6.8 | 108 | 0.00 |
| 46 | | 2,6-Dinitrotoluene | 0.347 | 0.373 | -7.5 | 107 | 0.00 |
| 47 | S | Acenaphthylene-d8 | 1.859 | 2.043 | -9.9 | 111 | 0.00 |
| 48 | | Acenaphthylene | 1.980 | 2.180 | -10.1 | 112 | 0.00 |
| 49 | | 3-Nitroaniline | 0.316 | 0.378 | -19.6 | 118 | 0.00 |
| 50 | C | Acenaphthene | 1.340 | 1.477 | -10.2 | 113 | 0.00 |
| 51 | | 2,4-Dinitrophenol | 0.146 | 0.123 | 15.8 | 108 | 0.00 |
| 52 | S | 4-Nitrophenol-d4 | 0.257 | 0.275 | -7.0 | 110 | 0.00 |
| 53 | | 4-Nitrophenol | 0.227 | 0.252 | -11.0 | 116 | 0.00 |
| 54 | | Dibenzofuran | 2.025 | 2.188 | -8.0 | 110 | 0.00 |
| 55 | | 2,4-Dinitrotoluene | 0.506 | 0.550 | -8.7 | 107 | 0.00 |
| 56 | | 2,3,4,6-Tetrachlorophenol | 0.441 | 0.475 | -7.7 | 105 | 0.00 |
| 57 | | Diethylphthalate | 1.723 | 1.819 | -5.6 | 108 | 0.00 |
| 58 | S | Fluorene-d10 | 1.484 | 1.582 | -6.6 | 110 | 0.00 |
| 59 | | Fluorene | 1.629 | 1.750 | -7.4 | 108 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.941 | 0.998 | -6.1 | 106 | 0.00 |
| 61 | | 4-Nitroaniline | 0.345 | 0.399 | -15.7 | 115 | 0.00 |
| 62 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 63 | S | 4,6-Dinitro-2-methylphenol- | 0.121 | 0.119 | 1.7 | 108 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.130 | 0.132 | -1.5 | 107 | 0.00 |
| 65 | | N-Nitrosodiphenylamine | 0.551 | 0.593 | -7.6 | 108 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.243 | 0.256 | -5.3 | 106 | 0.00 |
| 67 | | Hexachlorobenzene | 0.267 | 0.289 | -8.2 | 110 | 0.00 |
| 68 | | Atrazine | 0.243 | 0.263 | -8.2 | 108 | 0.00 |
| 69 | C | Pentachlorophenol | 0.107 | 0.101 | 5.6 | 107 | 0.00 |
| 70 | | Phenanthrene | 1.087 | 1.175 | -8.1 | 109 | 0.00 |
| 71 | S | Anthracene-d10 | 0.932 | 0.990 | -6.2 | 107 | 0.00 |
| 72 | | Anthracene | 1.112 | 1.198 | -7.7 | 109 | 0.00 |
| 73 | | 1,2,3,4-Tetrachlorobenzene | 0.318 | 0.348 | -9.4 | 114 | 0.00 |
| 74 | | Pentachlorobenzene | 0.303 | 0.333 | -9.9 | 111 | 0.00 |
| 75 | | Carbazole | 0.938 | 1.026 | -9.4 | 107 | 0.00 |
| 76 | | Di-n-butylphthalate | 1.101 | 1.218 | -10.6 | 110 | 0.00 |
| 77 | C | Fluoranthene | 1.328 | 1.492 | -12.3 | 108 | 0.00 |
| 78 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 79 | S | Pyrene-d10 | 0.897 | 0.964 | -7.5 | 107 | 0.00 |
| 80 | | Pyrene | 1.158 | 1.236 | -6.7 | 106 | 0.00 |
| 81 | | Butylbenzylphthalate | 0.408 | 0.451 | -10.5 | 112 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.381 | 0.439 | -15.2 | 114 | 0.00 |
| 83 | | Benzo(a)anthracene | 1.170 | 1.267 | -8.3 | 110 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.586 | 0.659 | -12.5 | 114 | 0.00 |
| 85 | | Chrysene | 1.101 | 1.200 | -9.0 | 111 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 87 | | Di-n-octyl phthalate | 1.050 | 1.163 | -10.8 | 113 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 88 | | Benzo(b)fluoranthene | 1.188 | 1.297 | -9.2 | 110 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.138 | 1.243 | -9.2 | 111 | 0.00 |
| 90 | S | Benzo(a)pyrene-d12 | 0.998 | 1.092 | -9.4 | 111 | 0.00 |
| 91 | C | Benzo(a)pyrene | 1.141 | 1.247 | -9.3 | 110 | 0.00 |
| 92 | | Indeno(1,2,3-cd)pyrene | 1.361 | 1.482 | -8.9 | 110 | 0.00 |
| 93 | | Dibenzo(a,h)anthracene | 1.135 | 1.228 | -8.2 | 109 | 0.00 |
| 94 | | Benzo(g,h,i)perylene | 1.118 | 1.191 | -6.5 | 108 | 0.01 |

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