# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG100716\
Data File : BG024234.D
Acq On : 7 Oct 2016 14:40
Operator : UM/SJ
Sample : SSTDCCC020EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTD02010

Quant Time: Oct 07 15:25:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG0100716.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 07 14:52:04 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 | 108 | 0.00 |
| 2 | | 1,4-Dioxane | 0.456 | 0.477 | -4.6 | 111 | 0.00 |
| 3 | S | 1,4-Dioxane-d8 | 0.421 | 0.389 | 7.6 | 105 | 0.00 |
| 4 | | Benzaldehyde | 1.313 | 1.464 | -11.5 | 105 | 0.00 |
| 5 | S | Phenol-d5 | 1.866 | 1.922 | -3.0 | 106 | 0.00 |
| 6 | | Phenol | 1.894 | 1.980 | -4.5 | 106 | 0.00 |
| 7 | S | Bis-(2-Chloroethyl)ether-d8 | 1.261 | 1.259 | 0.2 | 104 | 0.00 |
| 8 | | Bis(2-Chloroethyl)ether | 1.394 | 1.461 | -4.8 | 105 | 0.00 |
| 9 | S | 2-Chlorophenol-d4 | 1.285 | 1.336 | -4.0 | 105 | 0.00 |
| 10 | | 2-Chlorophenol | 1.302 | 1.316 | -1.1 | 104 | 0.00 |
| 11 | | 2-Methylphenol | 1.403 | 1.388 | 1.1 | 103 | 0.00 |
| 12 | | 2,2'-oxybis(1-Chloropropane | 2.784 | 2.800 | -0.6 | 100 | 0.00 |
| 13 | S | 4-Methylphenol-d8 | 1.509 | 1.532 | -1.5 | 104 | 0.00 |
| 14 | | Acetophenone | 2.240 | 2.355 | -5.1 | 105 | 0.00 |
| 15 | P | N-Nitroso-di-n-propylamine | 1.351 | 1.403 | -3.8 | 104 | 0.00 |
| 16 | | 4-Methylphenol | 1.488 | 1.515 | -1.8 | 106 | 0.00 |
| 17 | | Hexachloroethane | 0.602 | 0.605 | -0.5 | 107 | 0.00 |
| 18 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 19 | S | Nitrobenzene-d5 | 0.142 | 0.148 | -4.2 | 105 | 0.00 |
| 20 | | Nitrobenzene | 0.449 | 0.485 | -8.0 | 107 | 0.00 |
| 21 | | Isophorone | 0.816 | 0.900 | -10.3 | 106 | 0.00 |
| 22 | S | 2-Nitrophenol-d4 | 0.159 | 0.176 | -10.7 | 114 | 0.00 |
| 23 | C | 2-Nitrophenol | 0.173 | 0.179 | -3.5 | 102 | -0.01 |
| 24 | | 2,4-Dimethylphenol | 0.426 | 0.449 | -5.4 | 104 | 0.00 |
| 25 | | Bis(2-Chloroethoxy)methane | 0.448 | 0.481 | -7.4 | 104 | 0.00 |
| 26 | S | 2,4-Dichlorophenol-d3 | 0.346 | 0.354 | -2.3 | 101 | 0.00 |
| 27 | C | 2,4-Dichlorophenol | 0.332 | 0.340 | -2.4 | 102 | 0.00 |
| 28 | | Naphthalene | 0.963 | 1.009 | -4.8 | 105 | 0.00 |
| 29 | S | 4-Chloroaniline-d4 | 0.363 | 0.406 | -11.8 | 107 | 0.00 |
| 30 | | 4-Chloroaniline | 0.369 | 0.398 | -7.9 | 104 | 0.00 |
| 31 | C | Hexachlorobutadiene | 0.266 | 0.276 | -3.8 | 103 | 0.00 |
| 32 | | Caprolactam | 0.126 | 0.142 | -12.7 | 113 | 0.00 |
| 33 | C | 4-Chloro-3-methylphenol | 0.406 | 0.437 | -7.6 | 109 | 0.00 |
| 34 | | 2-Methylnaphthalene | 0.766 | 0.803 | -4.8 | 107 | 0.00 |
| 35 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 36 | | 1,2,4,5-Tetrachlorobenzene | 0.590 | 0.654 | -10.8 | 105 | 0.00 |
| 37 | | Hexachlorocyclopentadiene | 0.432 | 0.463 | -7.2 | 103 | 0.00 |
| 38 | C | 2,4,6-Trichlorophenol | 0.382 | 0.418 | -9.4 | 106 | 0.00 |
| 39 | | 2,4,5-Trichlorophenol | 0.420 | 0.461 | -9.8 | 106 | 0.00 |
| 40 | | 1,1'-Biphenyl | 1.295 | 1.413 | -9.1 | 103 | 0.00 |
| 41 | | 2-Chloronaphthalene | 1.015 | 1.129 | -11.2 | 107 | 0.00 |
| 42 | | 2-Nitroaniline | 0.386 | 0.438 | -13.5 | 107 | 0.00 |
| 43 | S | Dimethylphthalate-d6 | 1.396 | 1.470 | -5.3 | 101 | 0.00 |
| 44 | | Dimethylphthalate | 1.369 | 1.479 | -8.0 | 102 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 2,6-Dinitrotoluene | 0.266 | 0.299 | -12.4 | 105 | 0.00 |
| 46 | S | Acenaphthylene-d8 | 1.600 | 1.776 | -11.0 | 105 | 0.00 |
| 47 | | Acenaphthylene | 1.539 | 1.722 | -11.9 | 107 | 0.00 |
| 48 | | 3-Nitroaniline | 0.251 | 0.279 | -11.2 | 106 | 0.00 |
| 49 | C | Acenaphthene | 1.100 | 1.200 | -9.1 | 106 | 0.00 |
| 50 | | 2,4-Dinitrophenol | 0.178 | 0.190 | -6.7 | 109 | 0.00 |
| 51 | S | 4-Nitrophenol-d4 | 0.248 | 0.264 | -6.5 | 103 | 0.00 |
| 52 | | 4-Nitrophenol | 0.300 | 0.312 | -4.0 | 98 | 0.00 |
| 53 | | Dibenzofuran | 1.619 | 1.732 | -7.0 | 101 | 0.00 |
| 54 | | 2,4-Dinitrotoluene | 0.394 | 0.430 | -9.1 | 103 | 0.00 |
| 55 | | 2,3,4,6-Tetrachlorophenol | 0.413 | 0.444 | -7.5 | 102 | 0.00 |
| 56 | | Diethylphthalate | 1.443 | 1.503 | -4.2 | 97 | 0.00 |
| 57 | S | Fluorene-d10 | 1.320 | 1.398 | -5.9 | 99 | 0.00 |
| 58 | | Fluorene | 1.339 | 1.422 | -6.2 | 100 | 0.00 |
| 59 | | 4-Chlorophenyl-phenylether | 0.743 | 0.790 | -6.3 | 101 | 0.00 |
| 60 | | 4-Nitroaniline | 0.289 | 0.308 | -6.6 | 103 | 0.00 |
| 61 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 62 | S | 4,6-Dinitro-2-methylphenol- | 0.120 | 0.134 | -11.7 | 110 | 0.00 |
| 63 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.134 | -6.3 | 98 | 0.00 |
| 64 | | N-Nitrosodiphenylamine | 0.566 | 0.618 | -9.2 | 99 | 0.00 |
| 65 | | 4-Bromophenyl-phenylether | 0.232 | 0.253 | -9.1 | 102 | 0.00 |
| 66 | | Hexachlorobenzene | 0.258 | 0.278 | -7.8 | 100 | 0.00 |
| 67 | | Atrazine | 0.231 | 0.255 | -10.4 | 100 | 0.00 |
| 68 | C | Pentachlorophenol | 0.157 | 0.180 | -14.6 | 106 | 0.00 |
| 69 | | Phenanthrene | 1.010 | 1.089 | -7.8 | 97 | 0.00 |
| 70 | S | Anthracene-d10 | 0.903 | 0.988 | -9.4 | 98 | 0.00 |
| 71 | | Anthracene | 1.028 | 1.121 | -9.0 | 98 | 0.00 |
| 72 | | Carbazole | 0.807 | 0.957 | -18.6 | 97 | 0.00 |
| 73 | | Di-n-butylphthalate | 0.986 | 1.132 | -14.8 | 101 | 0.00 |
| 74 | C | Fluoranthene | 1.020 | 1.236 | -21.2 | 95 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 94 | 0.00 |
| 76 | S | Pyrene-d10 | 0.933 | 1.047 | -12.2 | 96 | 0.00 |
| 77 | | Pyrene | 1.068 | 1.172 | -9.7 | 94 | 0.00 |
| 78 | | Butylbenzylphthalate | 0.429 | 0.482 | -12.4 | 99 | 0.00 |
| 79 | | 3,3'-Dichlorobenzidine | 0.372 | 0.420 | -12.9 | 96 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.110 | 1.238 | -11.5 | 97 | 0.00 |
| 81 | | Bis(2-ethylhexyl)phthalate | 0.607 | 0.676 | -11.4 | 97 | 0.00 |
| 82 | | Chrysene | 1.057 | 1.163 | -10.0 | 94 | 0.00 |
| 83 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 84 | | Di-n-octyl phthalate | 0.938 | 1.124 | -19.8 | 99 | 0.00 |
| 85 | | Benzo(b)fluoranthene | 1.110 | 1.192 | -7.4 | 98 | 0.00 |
| 86 | | Benzo(k)fluoranthene | 1.070 | 1.120 | -4.7 | 94 | 0.00 |
| 87 | S | Benzo(a)pyrene-d12 | 0.900 | 0.953 | -5.9 | 95 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 C | Benzo(a)pyrene | 1.058 | 1.130 | -6.8 | 96 | 0.00 |
| 89 | Indeno(1,2,3-cd)pyrene | 1.253 | 1.386 | -10.6 | 100 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.059 | 1.139 | -7.6 | 98 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.053 | 1.127 | -7.0 | 98 | 0.00 |

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