# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG052015\
Data File : BG017214.D
Acq On : 20 May 2015 13:57
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: May 21 02:30:20 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 21 02:15:39 2015
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 107 | -0.01 |
| 2 | | 1,4-Dioxane | 0.445 | 0.425 | 4.5 | 103 | -0.02 |
| 3 | | Pyridine | 1.346 | 1.277 | 5.1 | 97 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 1.021 | 0.931 | 8.8 | 93 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.127 | 1.100 | 2.4 | 99 | -0.02 |
| 6 | | Aniline | 2.189 | 2.158 | 1.4 | 100 | -0.01 |
| 7 | S | Phenol-d6 | 1.582 | 1.558 | 1.5 | 100 | -0.01 |
| 8 | | 2-Chlorophenol | 1.349 | 1.313 | 2.7 | 99 | -0.01 |
| 9 | | Benzaldehyde | 1.041 | 0.960 | 7.8 | 96 | -0.01 |
| 10 | C | Phenol | 1.678 | 1.668 | 0.6 | 102 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.258 | 1.207 | 4.1 | 96 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.506 | 1.424 | 5.4 | 100 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.520 | 1.429 | 6.0 | 98 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.452 | 1.360 | 6.3 | 97 | -0.01 |
| 15 | | Benzyl Alcohol | 1.537 | 1.434 | 6.7 | 95 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.040 | 1.914 | 6.2 | 98 | -0.01 |
| 17 | | 2-Methylphenol | 1.216 | 1.170 | 3.8 | 101 | -0.02 |
| 18 | | Hexachloroethane | 0.635 | 0.597 | 6.0 | 98 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.378 | 1.289 | 6.5 | 95 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.691 | 1.705 | -0.8 | 102 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 104 | -0.01 |
| 22 | | Acetophenone | 0.485 | 0.448 | 7.6 | 95 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.428 | 0.409 | 4.4 | 96 | -0.01 |
| 24 | | Nitrobenzene | 0.419 | 0.401 | 4.3 | 99 | -0.01 |
| 25 | | Isophorone | 0.790 | 0.742 | 6.1 | 94 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.187 | 0.181 | 3.2 | 98 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.308 | 0.293 | 4.9 | 99 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.384 | 0.363 | 5.5 | 96 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.298 | -2.4 | 103 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.330 | 0.303 | 8.2 | 93 | -0.01 |
| 31 | | Naphthalene | 0.979 | 0.924 | 5.6 | 96 | -0.02 |
| 32 | | Benzoic acid | 0.209 | 0.196 | 6.2 | 94 | 0.00 |
| 33 | | 4-Chloroaniline | 0.463 | 0.458 | 1.1 | 98 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.209 | 0.196 | 6.2 | 95 | -0.02 |
| 35 | | Caprolactam | 0.146 | 0.152 | -4.1 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.368 | 0.375 | -1.9 | 102 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.776 | 0.732 | 5.7 | 99 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.566 | 0.523 | 7.6 | 97 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.345 | 0.281 | 18.6 | 85 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.242 | 0.247 | -2.1 | 108 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.401 | 0.390 | 2.7 | 99 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.414 | 0.422 | -1.9 | 107 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.363 | 1.249 | 8.4 | 96 | -0.01 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.441 | 1.317 | 8.6 | 96 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.141 | 1.051 | 7.9 | 97 | -0.01 |
| 47 | | 2-Nitroaniline | 0.444 | 0.447 | -0.7 | 107 | -0.01 |
| 48 | | Acenaphthylene | 1.953 | 1.856 | 5.0 | 99 | -0.01 |
| 49 | | Dimethylphthalate | 1.564 | 1.477 | 5.6 | 100 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.347 | 0.343 | 1.2 | 101 | 0.00 |
| 51 | C | Acenaphthene | 1.154 | 1.093 | 5.3 | 100 | 0.00 |
| 52 | | 3-Nitroaniline | 0.384 | 0.394 | -2.6 | 107 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.201 | 0.182 | 9.5 | 90 | 0.00 |
| 54 | | Dibenzofuran | 1.715 | 1.619 | 5.6 | 100 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.310 | 0.311 | -0.3 | 107 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.483 | 0.510 | -5.6 | 110 | 0.00 |
| 57 | | Fluorene | 1.518 | 1.460 | 3.8 | 100 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.380 | 0.398 | -4.7 | 108 | -0.01 |
| 59 | | Diethylphthalate | 1.680 | 1.613 | 4.0 | 103 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.780 | 0.751 | 3.7 | 100 | 0.00 |
| 61 | | 4-Nitroaniline | 0.429 | 0.454 | -5.8 | 110 | 0.00 |
| 62 | | Azobenzene | 1.605 | 1.561 | 2.7 | 102 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 118 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.137 | 0.124 | 9.5 | 101 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.614 | 0.562 | 8.5 | 105 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.218 | 0.196 | 10.1 | 104 | 0.00 |
| 67 | | Hexachlorobenzene | 0.230 | 0.211 | 8.3 | 106 | 0.00 |
| 68 | | Atrazine | 0.225 | 0.215 | 4.4 | 108 | -0.01 |
| 69 | C | Pentachlorophenol | 0.144 | 0.118 | 18.1 | 92 | 0.00 |
| 70 | | Phenanthrene | 1.031 | 0.982 | 4.8 | 108 | 0.00 |
| 71 | | Anthracene | 1.045 | 0.999 | 4.4 | 110 | 0.00 |
| 72 | | Carbazole | 0.960 | 0.938 | 2.3 | 112 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.285 | 1.247 | 3.0 | 112 | 0.00 |
| 74 | C | Fluoranthene | 1.239 | 1.189 | 4.0 | 110 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 131 | 0.00 |
| 76 | | Benzidine | 0.653 | 0.443 | 32.2# | 85 | 0.00 |
| 77 | | Pyrene | 1.227 | 1.097 | 10.6 | 114 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.960 | 0.872 | 9.2 | 116 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.558 | 0.527 | 5.6 | 120 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.146 | 1.071 | 6.5 | 118 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.444 | 0.419 | 5.6 | 121 | 0.00 |
| 82 | | Chrysene | 1.068 | 1.022 | 4.3 | 122 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.793 | 0.754 | 4.9 | 119 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.320 | 1.244 | 5.8 | 120 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.277 | 1.251 | 2.0 | 124 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 129 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 1.166 | 1.115 | 4.4 | 124 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.107 | 1.046 | 5.5 | 119 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.071 | 1.037 | 3.2 | 124 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 1.099 | 1.069 | 2.7 | 125 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 1.035 | 0.996 | 3.8 | 123 | -0.03 |

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