# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG051415\
Data File : BG017155.D
Acq On : 15 May 2015 00:54
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 15 04:34:00 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 16:12:13 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 | 129 | 0.00 |
| 2 | | 1,4-Dioxane | 0.445 | 0.466 | -4.7 | 137 | 0.00 |
| 3 | | Pyridine | 1.346 | 1.491 | -10.8 | 138 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 1.021 | 0.983 | 3.7 | 119 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.127 | 1.188 | -5.4 | 130 | 0.00 |
| 6 | | Aniline | 2.189 | 2.310 | -5.5 | 129 | 0.00 |
| 7 | S | Phenol-d6 | 1.582 | 1.703 | -7.6 | 132 | 0.00 |
| 8 | | 2-Chlorophenol | 1.349 | 1.420 | -5.3 | 130 | 0.00 |
| 9 | | Benzaldehyde | 1.041 | 1.053 | -1.2 | 128 | 0.00 |
| 10 | C | Phenol | 1.678 | 1.820 | -8.5 | 135 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.258 | 1.385 | -10.1 | 133 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.506 | 1.454 | 3.5 | 124 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.520 | 1.482 | 2.5 | 123 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.452 | 1.423 | 2.0 | 123 | 0.00 |
| 15 | | Benzyl Alcohol | 1.537 | 1.511 | 1.7 | 122 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.040 | 2.320 | -13.7 | 144 | 0.00 |
| 17 | | 2-Methylphenol | 1.216 | 1.247 | -2.5 | 131 | 0.00 |
| 18 | | Hexachloroethane | 0.635 | 0.644 | -1.4 | 128 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.378 | 1.466 | -6.4 | 132 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.691 | 1.792 | -6.0 | 130 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 127 | 0.00 |
| 22 | | Acetophenone | 0.485 | 0.473 | 2.5 | 123 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.428 | 0.439 | -2.6 | 126 | 0.00 |
| 24 | | Nitrobenzene | 0.419 | 0.426 | -1.7 | 129 | 0.00 |
| 25 | | Isophorone | 0.790 | 0.809 | -2.4 | 126 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.187 | 0.189 | -1.1 | 125 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.308 | 0.314 | -1.9 | 130 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.384 | 0.403 | -4.9 | 131 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.291 | 0.295 | -1.4 | 125 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.330 | 0.314 | 4.8 | 119 | 0.00 |
| 31 | | Naphthalene | 0.979 | 0.989 | -1.0 | 126 | 0.00 |
| 32 | | Benzoic acid | 0.209 | 0.189 | 9.6 | 112 | 0.00 |
| 33 | | 4-Chloroaniline | 0.463 | 0.469 | -1.3 | 123 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.209 | 0.199 | 4.8 | 118 | -0.01 |
| 35 | | Caprolactam | 0.146 | 0.150 | -2.7 | 134 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.368 | 0.380 | -3.3 | 128 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.776 | 0.753 | 3.0 | 125 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.566 | 0.560 | 1.1 | 119 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.345 | 0.315 | 8.7 | 110 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.242 | 0.231 | 4.5 | 115 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.401 | 0.397 | 1.0 | 116 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.414 | 0.419 | -1.2 | 122 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.363 | 1.354 | 0.7 | 120 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.441 | 1.447 | -0.4 | 121 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.141 | 1.157 | -1.4 | 123 | 0.00 |
| 47 | | 2-Nitroaniline | 0.444 | 0.482 | -8.6 | 133 | 0.00 |
| 48 | | Acenaphthylene | 1.953 | 1.996 | -2.2 | 122 | 0.00 |
| 49 | | Dimethylphthalate | 1.564 | 1.533 | 2.0 | 119 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.347 | 0.352 | -1.4 | 119 | 0.00 |
| 51 | C | Acenaphthene | 1.154 | 1.171 | -1.5 | 123 | 0.00 |
| 52 | | 3-Nitroaniline | 0.384 | 0.408 | -6.2 | 127 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.201 | 0.176 | 12.4 | 100 | 0.00 |
| 54 | | Dibenzofuran | 1.715 | 1.736 | -1.2 | 123 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.310 | 0.328 | -5.8 | 130 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.483 | 0.490 | -1.4 | 122 | 0.00 |
| 57 | | Fluorene | 1.518 | 1.517 | 0.1 | 119 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.380 | 0.375 | 1.3 | 117 | 0.00 |
| 59 | | Diethylphthalate | 1.680 | 1.629 | 3.0 | 119 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.780 | 0.761 | 2.4 | 116 | 0.00 |
| 61 | | 4-Nitroaniline | 0.429 | 0.456 | -6.3 | 126 | 0.00 |
| 62 | | Azobenzene | 1.605 | 1.700 | -5.9 | 128 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.137 | 0.134 | 2.2 | 111 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.614 | 0.642 | -4.6 | 123 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.218 | 0.212 | 2.8 | 116 | 0.00 |
| 67 | | Hexachlorobenzene | 0.230 | 0.229 | 0.4 | 118 | 0.00 |
| 68 | | Atrazine | 0.225 | 0.222 | 1.3 | 114 | 0.00 |
| 69 | C | Pentachlorophenol | 0.144 | 0.135 | 6.2 | 108 | 0.00 |
| 70 | | Phenanthrene | 1.031 | 1.063 | -3.1 | 120 | 0.00 |
| 71 | | Anthracene | 1.045 | 1.075 | -2.9 | 121 | 0.00 |
| 72 | | Carbazole | 0.960 | 1.004 | -4.6 | 123 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.285 | 1.340 | -4.3 | 123 | 0.00 |
| 74 | C | Fluoranthene | 1.239 | 1.245 | -0.5 | 119 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 123 | 0.00 |
| 76 | | Benzidine | 0.653 | 0.612 | 6.3 | 110 | 0.00 |
| 77 | | Pyrene | 1.227 | 1.241 | -1.1 | 121 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.960 | 0.954 | 0.6 | 120 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.558 | 0.585 | -4.8 | 126 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.146 | 1.143 | 0.3 | 119 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.444 | 0.431 | 2.9 | 117 | 0.00 |
| 82 | | Chrysene | 1.068 | 1.075 | -0.7 | 121 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.793 | 0.796 | -0.4 | 118 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.320 | 1.367 | -3.6 | 124 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.277 | 1.298 | -1.6 | 121 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.166 | 1.181 | -1.3 | 118 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.107 | 1.187 | -7.2 | 121 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.071 | 1.102 | -2.9 | 119 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.099 | 1.150 | -4.6 | 121 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 1.035 | 1.083 | -4.6 | 121 | -0.01 |

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