# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA G\Data\BG051215\
Data File : BG017099.D
Acq On : 13 May 2015 00:40
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 13 03:44:21 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 13 03:27:55 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 | 52 | -0.09 |
| 2 | | 1,4-Dioxane | 0.481 | 0.436 | 9.4 | 50 | -0.11 |
| 3 | | Pyridine | 1.488 | 1.256 | 15.6 | 45# | -0.11 |
| 4 | | n-Nitrosodimethylamine | 0.888 | 1.160 | -30.6# | 73 | -0.11 |
| 5 | S | 2-Fluorophenol | 1.149 | 1.117 | 2.8 | 53 | -0.08 |
| 6 | | Aniline | 2.304 | 2.139 | 7.2 | 51 | -0.09 |
| 7 | S | Phenol-d6 | 1.641 | 1.542 | 6.0 | 51 | -0.05 |
| 8 | | 2-Chlorophenol | 1.331 | 1.333 | -0.2 | 55 | -0.08 |
| 9 | | Benzaldehyde | 1.144 | 0.996 | 12.9 | 46# | -0.09 |
| 10 | C | Phenol | 1.760 | 1.620 | 8.0 | 51 | -0.06 |
| 11 | | bis(2-Chloroethyl)ether | 1.361 | 1.188 | 12.7 | 47# | -0.09 |
| 12 | | 1,3-Dichlorobenzene | 1.467 | 1.521 | -3.7 | 58 | -0.09 |
| 13 | C | 1,4-Dichlorobenzene | 1.486 | 1.503 | -1.1 | 55 | -0.09 |
| 14 | | 1,2-Dichlorobenzene | 1.426 | 1.447 | -1.5 | 56 | -0.09 |
| 15 | | Benzyl Alcohol | 1.499 | 1.539 | -2.7 | 56 | -0.08 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.519 | 1.772 | 29.7# | 39# | -0.09 |
| 17 | | 2-Methylphenol | 1.239 | 1.213 | 2.1 | 54 | -0.06 |
| 18 | | Hexachloroethane | 0.611 | 0.648 | -6.1 | 58 | -0.10 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.439 | 1.344 | 6.6 | 52 | -0.09 |
| 20 | | 3+4-Methylphenols | 1.708 | 1.692 | 0.9 | 54 | -0.06 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 52 | -0.09 |
| 22 | | Acetophenone | 0.476 | 0.487 | -2.3 | 56 | -0.09 |
| 23 | S | Nitrobenzene-d5 | 0.409 | 0.439 | -7.3 | 60 | -0.09 |
| 24 | | Nitrobenzene | 0.413 | 0.427 | -3.4 | 57 | -0.09 |
| 25 | | Isophorone | 0.827 | 0.783 | 5.3 | 53 | -0.09 |
| 26 | C | 2-Nitrophenol | 0.168 | 0.198 | -17.9 | 65 | -0.08 |
| 27 | | 2,4-Dimethylphenol | 0.305 | 0.316 | -3.6 | 56 | -0.07 |
| 28 | | bis(2-Chloroethoxy)methane | 0.417 | 0.352 | 15.6 | 48# | -0.09 |
| 29 | C | 2,4-Dichlorophenol | 0.288 | 0.312 | -8.3 | 60 | -0.07 |
| 30 | | 1,2,4-Trichlorobenzene | 0.305 | 0.332 | -8.9 | 60 | -0.09 |
| 31 | | Naphthalene | 0.995 | 0.996 | -0.1 | 56 | -0.09 |
| 32 | | Benzoic acid | 0.179 | 0.196 | -9.5 | 61 | -0.05 |
| 33 | | 4-Chloroaniline | 0.459 | 0.465 | -1.3 | 55 | -0.08 |
| 34 | C | Hexachlorobutadiene | 0.191 | 0.232 | -21.5# | 69 | -0.09 |
| 35 | | Caprolactam | 0.150 | 0.148 | 1.3 | 55 | -0.08 |
| 36 | C | 4-Chloro-3-methylphenol | 0.369 | 0.404 | -9.5 | 61 | -0.05 |
| 37 | | 2-Methylnaphthalene | 0.758 | 0.787 | -3.8 | 59 | -0.09 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 58 | -0.08 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.541 | 0.584 | -7.9 | 66 | -0.08 |
| 40 | P | Hexachlorocyclopentadiene | 0.349 | 0.354 | -1.4 | 62 | -0.09 |
| 41 | S | 2,4,6-Tribromophenol | 0.201 | 0.270 | -34.3# | 82 | -0.07 |
| 42 | C | 2,4,6-Trichlorophenol | 0.383 | 0.428 | -11.7 | 65 | -0.08 |
| 43 | | 2,4,5-Trichlorophenol | 0.407 | 0.460 | -13.0 | 67 | -0.05 |
| 44 | S | 2-Fluorobiphenyl | 1.325 | 1.406 | -6.1 | 64 | -0.08 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.432 | 1.438 | -0.4 | 61 | -0.08 |
| 46 | | 2-Chloronaphthalene | 1.134 | 1.165 | -2.7 | 62 | -0.08 |
| 47 | | 2-Nitroaniline | 0.395 | 0.451 | -14.2 | 68 | -0.06 |
| 48 | | Acenaphthylene | 1.975 | 1.959 | 0.8 | 60 | -0.08 |
| 49 | | Dimethylphthalate | 1.493 | 1.590 | -6.5 | 65 | -0.08 |
| 50 | | 2,6-Dinitrotoluene | 0.310 | 0.341 | -10.0 | 64 | -0.08 |
| 51 | C | Acenaphthene | 1.175 | 1.155 | 1.7 | 60 | -0.08 |
| 52 | | 3-Nitroaniline | 0.353 | 0.386 | -9.3 | 63 | -0.06 |
| 53 | P | 2,4-Dinitrophenol | 0.142 | 0.193 | -35.9# | 87 | -0.07 |
| 54 | | Dibenzofuran | 1.669 | 1.751 | -4.9 | 63 | -0.08 |
| 55 | P | 4-Nitrophenol | 0.299 | 0.306 | -2.3 | 61 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 0.397 | 0.507 | -27.7# | 75 | -0.07 |
| 57 | | Fluorene | 1.478 | 1.556 | -5.3 | 64 | -0.08 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.351 | 0.423 | -20.5 | 71 | -0.06 |
| 59 | | Diethylphthalate | 1.577 | 1.684 | -6.8 | 65 | -0.08 |
| 60 | | 4-Chlorophenyl-phenylether | 0.742 | 0.837 | -12.8 | 70 | -0.08 |
| 61 | | 4-Nitroaniline | 0.409 | 0.427 | -4.4 | 62 | -0.06 |
| 62 | | Azobenzene | 1.633 | 1.613 | 1.2 | 60 | -0.08 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 61 | -0.08 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.099 | 0.139 | -40.4# | 91 | -0.07 |
| 65 | c | n-Nitrosodiphenylamine | 0.611 | 0.617 | -1.0 | 65 | -0.07 |
| 66 | | 4-Bromophenyl-phenylether | 0.201 | 0.222 | -10.4 | 72 | -0.08 |
| 67 | | Hexachlorobenzene | 0.212 | 0.239 | -12.7 | 74 | -0.07 |
| 68 | | Atrazine | 0.220 | 0.234 | -6.4 | 68 | -0.08 |
| 69 | C | Pentachlorophenol | 0.137 | 0.142 | -3.6 | 64 | -0.06 |
| 70 | | Phenanthrene | 1.029 | 1.040 | -1.1 | 65 | -0.08 |
| 71 | | Anthracene | 1.038 | 1.039 | -0.1 | 65 | -0.08 |
| 72 | | Carbazole | 0.987 | 0.948 | 4.0 | 61 | -0.07 |
| 73 | | Di-n-butylphthalate | 1.280 | 1.290 | -0.8 | 64 | -0.08 |
| 74 | C | Fluoranthene | 1.194 | 1.257 | -5.3 | 66 | -0.07 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 61 | -0.07 |
| 76 | | Benzidine | 0.680 | 0.579 | 14.9 | 52 | -0.07 |
| 77 | | Pyrene | 1.180 | 1.189 | -0.8 | 66 | -0.07 |
| 78 | S | Terphenyl-d14 | 0.853 | 0.992 | -16.3 | 74 | -0.07 |
| 79 | | Butylbenzylphthalate | 0.561 | 0.543 | 3.2 | 62 | -0.08 |
| 80 | | Benzo(a)anthracene | 1.073 | 1.159 | -8.0 | 69 | -0.07 |
| 81 | | 3,3'-Dichlorobenzidine | 0.419 | 0.459 | -9.5 | 70 | -0.07 |
| 82 | | Chrysene | 1.005 | 1.081 | -7.6 | 69 | -0.07 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.767 | 0.787 | -2.6 | 65 | -0.08 |
| 84 | c | Di-n-octyl phthalate | 1.289 | 1.312 | -1.8 | 64 | -0.09 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.198 | 1.395 | -16.4 | 78 | -0.16 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 64 | -0.12 |
| 87 | | Benzo(b)fluoranthene | 1.114 | 1.210 | -8.6 | 74 | -0.10 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.072 | 1.098 | -2.4 | 70 | -0.10 |
| 89 C | Benzo(a)pyrene | 1.039 | 1.095 | -5.4 | 71 | -0.12 |
| 90 | Dibenzo(a,h)anthracene | 1.061 | 1.165 | -9.8 | 76 | -0.17 |
| 91 | Benzo(g,h,i)perylene | 1.011 | 1.092 | -8.0 | 76 | -0.18 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1