# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG062315\
Data File : BG017760.D
Acq On : 23 Jun 2015 18:02
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 24 00:59:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG061815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 19 06:05:07 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 | 95 | 0.00 |
| 2 | | 1,4-Dioxane | 0.496 | 0.570 | -14.9 | 112 | 0.00 |
| 3 | | Pyridine | 1.382 | 1.872 | -35.5# | 127 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.628 | 0.823 | -31.1# | 120 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.140 | 1.242 | -8.9 | 105 | -0.01 |
| 6 | | Aniline | 2.203 | 2.448 | -11.1 | 106 | -0.01 |
| 7 | S | Phenol-d6 | 1.602 | 1.765 | -10.2 | 104 | -0.01 |
| 8 | | 2-Chlorophenol | 1.426 | 1.472 | -3.2 | 96 | -0.01 |
| 9 | | Benzaldehyde | 0.929 | 0.910 | 2.0 | 93 | 0.00 |
| 10 | C | Phenol | 1.746 | 1.936 | -10.9 | 104 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.324 | 1.425 | -7.6 | 101 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.586 | 1.567 | 1.2 | 95 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.639 | 1.616 | 1.4 | 95 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.547 | 1.533 | 0.9 | 96 | -0.01 |
| 15 | | Benzyl Alcohol | 1.379 | 1.539 | -11.6 | 103 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.021 | 2.388 | -18.2 | 114 | -0.01 |
| 17 | | 2-Methylphenol | 1.300 | 1.360 | -4.6 | 100 | -0.01 |
| 18 | | Hexachloroethane | 0.628 | 0.651 | -3.7 | 100 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.348 | 1.459 | -8.2 | 106 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.754 | 1.878 | -7.1 | 100 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 99 | -0.01 |
| 22 | | Acetophenone | 0.454 | 0.466 | -2.6 | 101 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.348 | 0.383 | -10.1 | 108 | -0.01 |
| 24 | | Nitrobenzene | 0.374 | 0.415 | -11.0 | 108 | -0.01 |
| 25 | | Isophorone | 0.774 | 0.803 | -3.7 | 102 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.170 | 0.181 | -6.5 | 103 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.323 | 0.316 | 2.2 | 96 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.390 | 0.409 | -4.9 | 104 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.285 | 0.275 | 3.5 | 93 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.320 | 0.291 | 9.1 | 90 | -0.01 |
| 31 | | Naphthalene | 1.081 | 1.069 | 1.1 | 97 | -0.01 |
| 32 | | Benzoic acid | 0.159 | 0.112 | 29.6# | 69 | -0.05 |
| 33 | | 4-Chloroaniline | 0.473 | 0.469 | 0.8 | 95 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.183 | 0.170 | 7.1 | 91 | -0.01 |
| 35 | | Caprolactam | 0.158 | 0.152 | 3.8 | 95 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.352 | 0.356 | -1.1 | 99 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.778 | 0.753 | 3.2 | 94 | -0.01 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 93 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.536 | 0.514 | 4.1 | 91 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.360 | 0.324 | 10.0 | 82 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.185 | 0.186 | -0.5 | 91 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.363 | 0.363 | 0.0 | 91 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.396 | 0.400 | -1.0 | 93 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.231 | 1.213 | 1.5 | 91 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.478 | 1.472 | 0.4 | 93 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.190 | 1.193 | -0.3 | 93 | -0.01 |
| 47 | | 2-Nitroaniline | 0.356 | 0.451 | -26.7# | 116 | -0.01 |
| 48 | | Acenaphthylene | 2.126 | 2.131 | -0.2 | 93 | -0.01 |
| 49 | | Dimethylphthalate | 1.530 | 1.472 | 3.8 | 89 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.315 | 0.347 | -10.2 | 98 | -0.01 |
| 51 | C | Acenaphthene | 1.283 | 1.289 | -0.5 | 93 | -0.02 |
| 52 | | 3-Nitroaniline | 0.369 | 0.398 | -7.9 | 96 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 0.130 | 0.150 | -15.4 | 107 | -0.01 |
| 54 | | Dibenzofuran | 1.806 | 1.788 | 1.0 | 91 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.291 | 0.318 | -9.3 | 95 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.407 | 0.465 | -14.3 | 98 | -0.01 |
| 57 | | Fluorene | 1.633 | 1.615 | 1.1 | 91 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.328 | 0.346 | -5.5 | 95 | -0.01 |
| 59 | | Diethylphthalate | 1.660 | 1.575 | 5.1 | 88 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.749 | 0.720 | 3.9 | 89 | -0.01 |
| 61 | | 4-Nitroaniline | 0.409 | 0.449 | -9.8 | 96 | -0.01 |
| 62 | | Azobenzene | 1.739 | 1.882 | -8.2 | 101 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 89 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.099 | 0.118 | -19.2 | 103 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.639 | 0.656 | -2.7 | 90 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.207 | 0.203 | 1.9 | 85 | -0.01 |
| 67 | | Hexachlorobenzene | 0.224 | 0.212 | 5.4 | 83 | -0.01 |
| 68 | | Atrazine | 0.233 | 0.210 | 9.9 | 78 | -0.02 |
| 69 | C | Pentachlorophenol | 0.112 | 0.121 | -8.0 | 90 | -0.01 |
| 70 | | Phenanthrene | 1.128 | 1.140 | -1.1 | 88 | -0.01 |
| 71 | | Anthracene | 1.127 | 1.138 | -1.0 | 88 | -0.01 |
| 72 | | Carbazole | 1.104 | 1.105 | -0.1 | 88 | -0.01 |
| 73 | | Di-n-butylphthalate | 1.378 | 1.353 | 1.8 | 86 | -0.02 |
| 74 | C | Fluoranthene | 1.288 | 1.244 | 3.4 | 85 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 88 | -0.02 |
| 76 | | Benzidine | 0.667 | 0.408 | 38.8# | 51 | -0.01 |
| 77 | | Pyrene | 1.273 | 1.260 | 1.0 | 86 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.880 | 0.855 | 2.8 | 84 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.602 | 0.605 | -0.5 | 87 | -0.02 |
| 80 | | Benzo(a)anthracene | 1.151 | 1.135 | 1.4 | 85 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.429 | 0.388 | 9.6 | 77 | -0.01 |
| 82 | | Chrysene | 1.057 | 1.052 | 0.5 | 87 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.836 | 0.852 | -1.9 | 88 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.373 | 1.389 | -1.2 | 87 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.267 | 1.245 | 1.7 | 84 | -0.04 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 89 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.204 | 1.165 | 3.2 | 83 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.151 | 1.164 | -1.1 | 88 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.106 | 1.092 | 1.3 | 85 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 1.120 | 1.072 | 4.3 | 83 | -0.04 |
| 91 | Benzo(g,h,i)perylene | 1.085 | 1.041 | 4.1 | 84 | -0.05 |

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