# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF021215\
Data File : BF077303.D
Acq On : 13 Feb 2015 2:20
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Feb 13 06:16:14 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 13 03:50:26 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 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 0.483 | 0.538 | -11.4 | 124 | -0.01 |
| 3 | | Pyridine | 1.279 | 1.418 | -10.9 | 114 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.741 | 0.609 | 17.8 | 89 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.191 | 1.219 | -2.4 | 98 | 0.01 |
| 6 | | Aniline | 2.094 | 2.246 | -7.3 | 106 | 0.00 |
| 7 | S | Phenol-d6 | 1.583 | 1.576 | 0.4 | 100 | 0.00 |
| 8 | | 2-Chlorophenol | 1.451 | 1.459 | -0.6 | 98 | 0.00 |
| 9 | | Benzaldehyde | 0.975 | 0.834 | 14.5 | 88 | 0.00 |
| 10 | C | Phenol | 1.627 | 1.605 | 1.4 | 98 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.297 | 1.384 | -6.7 | 101 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.604 | 1.677 | -4.6 | 107 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.654 | 1.748 | -5.7 | 109 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.567 | 1.619 | -3.3 | 105 | 0.00 |
| 15 | | Benzyl Alcohol | 1.254 | 1.336 | -6.5 | 104 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.817 | 1.806 | 0.6 | 103 | 0.00 |
| 17 | | 2-Methylphenol | 1.122 | 1.193 | -6.3 | 105 | -0.01 |
| 18 | | Hexachloroethane | 0.601 | 0.641 | -6.7 | 106 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.113 | 1.115 | -0.2 | 102 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.381 | 1.408 | -2.0 | 97 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 22 | | Acetophenone | 0.480 | 0.518 | -7.9 | 100 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.350 | 0.398 | -13.7 | 104 | -0.01 |
| 24 | | Nitrobenzene | 0.347 | 0.381 | -9.8 | 103 | 0.00 |
| 25 | | Isophorone | 0.631 | 0.700 | -10.9 | 104 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.156 | 0.180 | -15.4 | 104 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.284 | 0.303 | -6.7 | 99 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.384 | 0.396 | -3.1 | 94 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.259 | 0.276 | -6.6 | 91 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.293 | 0.330 | -12.6 | 107 | 0.00 |
| 31 | | Naphthalene | 0.987 | 1.099 | -11.3 | 107 | 0.00 |
| 32 | | Benzoic acid | 0.046 | 0.032 | 30.4# | 66 | 0.01 |
| 33 | | 4-Chloroaniline | 0.398 | 0.439 | -10.3 | 103 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.166 | 0.187 | -12.7 | 112 | 0.00 |
| 35 | | Caprolactam | 0.066 | 0.081 | -22.7 | 101 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.290 | 0.315 | -8.6 | 103 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.740 | 0.783 | -5.8 | 106 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.503 | 0.514 | -2.2 | 95 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.202 | 0.215 | -6.4 | 95 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.163 | 0.170 | -4.3 | 95 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.313 | 0.366 | -16.9 | 107 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.302 | 0.347 | -14.9 | 96 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.329 | 1.450 | -9.1 | 102 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.541 | 1.659 | -7.7 | 101 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.231 | 1.352 | -9.8 | 104 | -0.01 |
| 47 | | 2-Nitroaniline | 0.360 | 0.411 | -14.2 | 101 | 0.00 |
| 48 | | Acenaphthylene | 1.942 | 2.258 | -16.3 | 110 | 0.00 |
| 49 | | Dimethylphthalate | 1.446 | 1.545 | -6.8 | 100 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.280 | 0.304 | -8.6 | 100 | 0.00 |
| 51 | C | Acenaphthene | 1.125 | 1.277 | -13.5 | 107 | 0.00 |
| 52 | | 3-Nitroaniline | 0.319 | 0.349 | -9.4 | 95 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.074 | 0.056 | 24.3 | 82 | 0.01 |
| 54 | | Dibenzofuran | 1.739 | 1.844 | -6.0 | 101 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.166 | 0.143 | 13.9 | 84 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.373 | 0.438 | -17.4 | 101 | 0.00 |
| 57 | | Fluorene | 1.424 | 1.564 | -9.8 | 104 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.219 | 0.257 | -17.4 | 104 | 0.00 |
| 59 | | Diethylphthalate | 1.506 | 1.634 | -8.5 | 100 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.592 | 0.638 | -7.8 | 102 | -0.01 |
| 61 | | 4-Nitroaniline | 0.303 | 0.360 | -18.8 | 103 | 0.00 |
| 62 | | Azobenzene | 1.437 | 1.539 | -7.1 | 103 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.104 | 0.110 | -5.8 | 96 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.713 | 0.746 | -4.6 | 101 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.209 | 0.211 | -1.0 | 97 | 0.00 |
| 67 | | Hexachlorobenzene | 0.213 | 0.220 | -3.3 | 99 | 0.00 |
| 68 | | Atrazine | 0.226 | 0.235 | -4.0 | 106 | 0.00 |
| 69 | C | Pentachlorophenol | 0.051 | 0.063 | -23.5# | 112 | -0.01 |
| 70 | | Phenanthrene | 1.206 | 1.307 | -8.4 | 105 | 0.00 |
| 71 | | Anthracene | 1.210 | 1.269 | -4.9 | 100 | 0.00 |
| 72 | | Carbazole | 1.156 | 1.246 | -7.8 | 103 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.471 | 1.607 | -9.2 | 105 | 0.00 |
| 74 | C | Fluoranthene | 1.242 | 1.369 | -10.2 | 107 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 76 | | Benzidine | 0.811 | 0.500 | 38.3# | 68 | 0.00 |
| 77 | | Pyrene | 1.334 | 1.471 | -10.3 | 112 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.890 | 0.950 | -6.7 | 106 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.675 | 0.735 | -8.9 | 105 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.231 | 1.373 | -11.5 | 109 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.432 | 0.439 | -1.6 | 96 | 0.00 |
| 82 | | Chrysene | 1.115 | 1.235 | -10.8 | 113 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 1.005 | 1.088 | -8.3 | 108 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.728 | 1.981 | -14.6 | 111 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.085 | 1.475 | -35.9# | 132 | -0.11 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 107 | -0.05 |
| 87 | | Benzo(b)fluoranthene | 1.424 | 1.708 | -19.9 | 142 | -0.03 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.076 | 1.068 | 0.7 | 92 | -0.03 |
| 89 C | Benzo(a)pyrene | 1.186 | 1.299 | -9.5 | 114 | -0.05 |
| 90 | Dibenzo(a,h)anthracene | 1.053 | 1.246 | -18.3 | 127 | -0.11 |
| 91 | Benzo(g,h,i)perylene | 1.042 | 1.240 | -19.0 | 127 | -0.13 |

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