# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120415\
Data File : BF083514.D
Acq On : 5 Dec 2015 14:57
Operator : UM/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Dec 07 01:31:22 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Dec 05 04:12:46 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 | 96 | 0.00 |
| 2 | | 1,4-Dioxane | 0.691 | 0.624 | 9.7 | 89 | -0.01 |
| 3 | | Pyridine | 1.650 | 1.767 | -7.1 | 98 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.831 | 0.746 | 10.2 | 80 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.318 | 1.370 | -3.9 | 97 | 0.00 |
| 6 | | Aniline | 2.364 | 2.427 | -2.7 | 96 | 0.00 |
| 7 | S | Phenol-d6 | 1.816 | 1.819 | -0.2 | 95 | 0.00 |
| 8 | | 2-Chlorophenol | 1.466 | 1.501 | -2.4 | 97 | 0.00 |
| 9 | | Benzaldehyde | 1.041 | 1.050 | -0.9 | 96 | 0.00 |
| 10 | C | Phenol | 2.124 | 2.079 | 2.1 | 96 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.574 | 1.583 | -0.6 | 95 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.626 | 1.632 | -0.4 | 96 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.660 | 1.648 | 0.7 | 96 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.527 | 1.559 | -2.1 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 1.260 | 1.310 | -4.0 | 95 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.918 | 2.899 | 0.7 | 96 | 0.00 |
| 17 | | 2-Methylphenol | 1.210 | 1.228 | -1.5 | 98 | 0.00 |
| 18 | | Hexachloroethane | 0.579 | 0.590 | -1.9 | 98 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.212 | 1.222 | -0.8 | 96 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.572 | 1.631 | -3.8 | 97 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 22 | | Acetophenone | 0.576 | 0.595 | -3.3 | 99 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.428 | 0.436 | -1.9 | 96 | 0.00 |
| 24 | | Nitrobenzene | 0.471 | 0.457 | 3.0 | 95 | 0.00 |
| 25 | | Isophorone | 0.822 | 0.827 | -0.6 | 96 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.186 | 0.194 | -4.3 | 96 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.329 | 0.337 | -2.4 | 97 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.458 | 0.466 | -1.7 | 96 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.297 | 0.306 | -3.0 | 96 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.328 | 0.331 | -0.9 | 96 | 0.00 |
| 31 | | Naphthalene | 1.065 | 1.071 | -0.6 | 97 | 0.00 |
| 32 | | Benzoic acid | 0.177 | 0.149 | 15.8 | 71 | 0.00 |
| 33 | | 4-Chloroaniline | 0.416 | 0.430 | -3.4 | 97 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.194 | 0.193 | 0.5 | 95 | 0.00 |
| 35 | | Caprolactam | 0.094 | 0.096 | -2.1 | 98 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.334 | 0.342 | -2.4 | 96 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.658 | 0.669 | -1.7 | 98 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.658 | 0.662 | -0.6 | 97 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.196 | 0.182 | 7.1 | 87 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.184 | 0.191 | -3.8 | 99 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.413 | 0.429 | -3.9 | 98 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.425 | 0.427 | -0.5 | 96 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.475 | 1.461 | 0.9 | 97 | -0.01 |

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|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.777 | 1.758 | 1.1 | 95 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.339 | 1.340 | -0.1 | 97 | 0.00 |
| 47 | | 2-Nitroaniline | 0.477 | 0.489 | -2.5 | 97 | 0.00 |
| 48 | | Acenaphthylene | 2.193 | 2.233 | -1.8 | 98 | 0.00 |
| 49 | | Dimethylphthalate | 1.574 | 1.573 | 0.1 | 98 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.331 | 0.343 | -3.6 | 98 | 0.00 |
| 51 | C | Acenaphthene | 1.262 | 1.260 | 0.2 | 98 | 0.00 |
| 52 | | 3-Nitroaniline | 0.357 | 0.372 | -4.2 | 100 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.142 | 0.113 | 20.4 | 79 | 0.00 |
| 54 | | Dibenzofuran | 1.748 | 1.761 | -0.7 | 99 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.201 | 0.195 | 3.0 | 94 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.433 | 0.446 | -3.0 | 98 | 0.00 |
| 57 | | Fluorene | 1.521 | 1.546 | -1.6 | 99 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.318 | 0.318 | 0.0 | 97 | 0.00 |
| 59 | | Diethylphthalate | 1.515 | 1.535 | -1.3 | 98 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.729 | 0.719 | 1.4 | 96 | 0.00 |
| 61 | | 4-Nitroaniline | 0.324 | 0.346 | -6.8 | 99 | -0.01 |
| 62 | | Azobenzene | 1.616 | 1.587 | 1.8 | 97 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.127 | 0.120 | 5.5 | 90 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.662 | 0.670 | -1.2 | 100 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.219 | 0.218 | 0.5 | 98 | 0.00 |
| 67 | | Hexachlorobenzene | 0.234 | 0.234 | 0.0 | 101 | 0.00 |
| 68 | | Atrazine | 0.200 | 0.203 | -1.5 | 99 | 0.00 |
| 69 | C | Pentachlorophenol | 0.095 | 0.095 | 0.0 | 98 | 0.00 |
| 70 | | Phenanthrene | 1.164 | 1.171 | -0.6 | 100 | 0.00 |
| 71 | | Anthracene | 1.187 | 1.208 | -1.8 | 100 | 0.00 |
| 72 | | Carbazole | 1.020 | 1.056 | -3.5 | 102 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.228 | 1.290 | -5.0 | 102 | 0.00 |
| 74 | C | Fluoranthene | 1.154 | 1.196 | -3.6 | 102 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 76 | | Benzidine | 0.723 | 0.739 | -2.2 | 100 | 0.00 |
| 77 | | Pyrene | 1.496 | 1.522 | -1.7 | 101 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.899 | 0.913 | -1.6 | 102 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.588 | 0.664 | -12.9 | 108 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.170 | 1.183 | -1.1 | 102 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.374 | 0.389 | -4.0 | 100 | 0.00 |
| 82 | | Chrysene | 1.166 | 1.194 | -2.4 | 104 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.772 | 0.883 | -14.4 | 111 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.101 | 1.276 | -15.9 | 115 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.999 | 1.059 | -6.0 | 108 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 108 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.123 | 1.123 | 0.0 | 108 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.151 | 1.151 | 0.0 | 106 | 0.00 |
| 89 C | Benzo(a)pyrene | 1.093 | 1.092 | 0.1 | 106 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 1.051 | 1.098 | -4.5 | 109 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 1.059 | 1.083 | -2.3 | 108 | 0.00 |

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