# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020615\
Data File : BF077202.D
Acq On : 6 Feb 2015 13:31
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 07 03:33:44 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Feb 07 02:41:53 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 74 | -0.04 |
| 2 | | 1,4-Dioxane | 40.000 | 44.429 | -11.1 | 87 | -0.03 |
| 3 | | Pyridine | 40.000 | 38.761 | 3.1 | 59 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.740 | -4.4 | 76 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.000 | -3.8 | 73 | -0.06 |
| 6 | | Aniline | 40.000 | 40.551 | -1.4 | 70 | -0.04 |
| 7 | S | Phenol-d6 | 80.000 | 82.088 | -2.6 | 72 | -0.04 |
| 8 | | 2-Chlorophenol | 40.000 | 41.113 | -2.8 | 71 | -0.04 |
| 9 | | Benzaldehyde | 40.000 | 33.727 | 15.7 | 72 | -0.04 |
| 10 | C | Phenol | 40.000 | 38.535 | 3.7 | 65 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.209 | -0.5 | 72 | -0.05 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.219 | -3.0 | 74 | -0.04 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.437 | -1.1 | 73 | -0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.590 | -1.5 | 71 | -0.04 |
| 15 | | Benzyl Alcohol | 40.000 | 41.730 | -4.3 | 71 | -0.04 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.067 | -7.7 | 77 | -0.04 |
| 17 | | 2-Methylphenol | 40.000 | 41.014 | -2.5 | 71 | -0.04 |
| 18 | | Hexachloroethane | 40.000 | 41.957 | -4.9 | 73 | -0.04 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.003 | -0.0 | 69 | -0.04 |
| 20 | | 3+4-Methylphenols | 40.000 | 35.914 | 10.2 | 63 | -0.04 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 74 | -0.04 |
| 22 | | Acetophenone | 40.000 | 41.878 | -4.7 | 72 | -0.04 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.077 | -3.8 | 71 | -0.04 |
| 24 | | Nitrobenzene | 40.000 | 39.253 | 1.9 | 66 | -0.05 |
| 25 | | Isophorone | 40.000 | 41.207 | -3.0 | 70 | -0.04 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.223 | 6.9 | 65 | -0.04 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.247 | -3.1 | 69 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.539 | -6.3 | 71 | -0.04 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.441 | 1.4 | 66 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.225 | -5.6 | 70 | -0.04 |
| 31 | | Naphthalene | 40.000 | 40.458 | -1.1 | 69 | -0.04 |
| 32 | | Benzoic acid | 40.000 | 22.879 | 42.8# | 39 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.234 | 1.9 | 68 | -0.03 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.809 | -2.0 | 69 | -0.04 |
| 35 | | Caprolactam | 40.000 | 37.143 | 7.1 | 61 | -0.05 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.731 | -1.8 | 70 | -0.04 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.229 | -3.1 | 72 | -0.04 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 68 | -0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.451 | -6.1 | 71 | -0.04 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 38.285 | 4.3 | 65 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 87.259 | -9.1 | 69 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.033 | -2.6 | 65 | -0.04 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.838 | -2.1 | 65 | -0.04 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 86.524 | -8.2 | 71 | -0.04 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 44.031 | -10.1 | 70 | -0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 43.708 | -9.3 | 72 | -0.04 |
| 47 | | 2-Nitroaniline | 40.000 | 41.253 | -3.1 | 65 | -0.04 |
| 48 | | Acenaphthylene | 40.000 | 42.963 | -7.4 | 70 | -0.04 |
| 49 | | Dimethylphthalate | 40.000 | 44.551 | -11.4 | 74 | -0.04 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.926 | -9.8 | 68 | -0.04 |
| 51 | C | Acenaphthene | 40.000 | 41.570 | -3.9 | 68 | -0.04 |
| 52 | | 3-Nitroaniline | 40.000 | 38.620 | 3.5 | 64 | -0.04 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 27.783 | 30.5# | 40 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 42.817 | -7.0 | 70 | -0.04 |
| 55 | P | 4-Nitrophenol | 40.000 | 42.781 | -7.0 | 68 | -0.03 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 40.502 | -1.3 | 68 | -0.04 |
| 57 | | Fluorene | 40.000 | 42.400 | -6.0 | 70 | -0.04 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.461 | 3.8 | 61 | -0.04 |
| 59 | | Diethylphthalate | 40.000 | 44.554 | -11.4 | 73 | -0.04 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 44.112 | -10.3 | 73 | -0.03 |
| 61 | | 4-Nitroaniline | 40.000 | 37.445 | 6.4 | 62 | -0.04 |
| 62 | | Azobenzene | 40.000 | 45.159 | -12.9 | 74 | -0.04 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 71 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 36.747 | 8.1 | 62 | -0.03 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.558 | -6.4 | 70 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.591 | -6.5 | 69 | -0.03 |
| 67 | | Hexachlorobenzene | 40.000 | 42.554 | -6.4 | 72 | -0.03 |
| 68 | | Atrazine | 40.000 | 42.523 | -6.3 | 66 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 46.922 | -17.3 | 84 | -0.03 |
| 70 | | Phenanthrene | 40.000 | 42.510 | -6.3 | 72 | -0.03 |
| 71 | | Anthracene | 40.000 | 43.924 | -9.8 | 74 | -0.03 |
| 72 | | Carbazole | 40.000 | 44.042 | -10.1 | 73 | -0.03 |
| 73 | | Di-n-butylphthalate | 40.000 | 47.780 | -19.5 | 78 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 45.172 | -12.9 | 74 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 75 | -0.03 |
| 76 | | Benzidine | 40.000 | 29.781 | 25.5# | 56 | -0.02 |
| 77 | | Pyrene | 40.000 | 42.760 | -6.9 | 73 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 87.022 | -8.8 | 75 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 46.980 | -17.4 | 77 | -0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.368 | -3.4 | 71 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.480 | -11.2 | 77 | -0.02 |
| 82 | | Chrysene | 40.000 | 41.200 | -3.0 | 71 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 50.564 | -26.4# | 87 | -0.03 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 49.740 | -24.4# | 84 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.421 | -3.6 | 70 | 0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 71 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.232 | -3.1 | 76 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 44.736 | -11.8 | 69 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.955 | -4.9 | 70 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 42.562 | -6.4 | 71 | 0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 44.197 | -10.5 | 74 | 0.03 |

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