# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012016\
Data File : BF084563.D
Acq On : 20 Jan 2016 11:55
Operator : SJ/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 20 22:22:49 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
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 | 73 | -0.05 |
| 2 | | 1,4-Dioxane | 40.000 | 37.534 | 6.2 | 65 | -0.09 |
| 3 | | Pyridine | 40.000 | 32.015 | 20.0 | 54 | -0.11 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 30.078 | 24.8 | 52 | -0.10 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.652 | -0.8 | 78 | -0.06 |
| 6 | | Aniline | 40.000 | 35.077 | 12.3 | 62 | -0.06 |
| 7 | S | Phenol-d6 | 80.000 | 76.069 | 4.9 | 69 | -0.05 |
| 8 | | 2-Chlorophenol | 40.000 | 40.383 | -1.0 | 75 | -0.06 |
| 9 | | Benzaldehyde | 40.000 | 35.878 | 10.3 | 66 | -0.06 |
| 10 | C | Phenol | 40.000 | 38.153 | 4.6 | 65 | -0.06 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.316 | 9.2 | 69 | -0.06 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.427 | 6.4 | 70 | -0.06 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.102 | 4.7 | 66 | -0.06 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.960 | 0.1 | 78 | -0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 34.944 | 12.6 | 61 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.626 | 8.4 | 69 | -0.05 |
| 17 | | 2-Methylphenol | 40.000 | 36.511 | 8.7 | 62 | -0.06 |
| 18 | | Hexachloroethane | 40.000 | 38.830 | 2.9 | 68 | -0.05 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 33.514 | 16.2 | 63 | -0.05 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.577 | 8.6 | 71 | -0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 70 | -0.06 |
| 22 | | Acetophenone | 40.000 | 39.270 | 1.8 | 64 | -0.06 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.883 | 0.1 | 71 | -0.05 |
| 24 | | Nitrobenzene | 40.000 | 37.377 | 6.6 | 59 | -0.06 |
| 25 | | Isophorone | 40.000 | 40.061 | -0.2 | 70 | -0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 45.421 | -13.6 | 81 | -0.06 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.385 | 9.0 | 60 | -0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 35.948 | 10.1 | 68 | -0.06 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.724 | 0.7 | 71 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.699 | 0.8 | 67 | -0.06 |
| 31 | | Naphthalene | 40.000 | 40.211 | -0.5 | 71 | -0.06 |
| 32 | | Benzoic acid | 40.000 | 36.813 | 8.0 | 64 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 40.457 | -1.1 | 73 | -0.06 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.291 | -8.2 | 76 | -0.05 |
| 35 | | Caprolactam | 40.000 | 36.669 | 8.3 | 57 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.773 | 5.6 | 69 | -0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.595 | -4.0 | 76 | -0.05 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 69 | -0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.317 | -3.3 | 71 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 33.212 | 17.0 | 56 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 78.520 | 1.9 | 63 | -0.06 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.819 | 3.0 | 68 | -0.05 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.493 | -1.2 | 67 | -0.06 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 75.052 | 6.2 | 64 | -0.05 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 44.092 | -10.2 | 81 | -0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.643 | -4.1 | 79 | -0.05 |
| 47 | | 2-Nitroaniline | 40.000 | 41.923 | -4.8 | 75 | -0.06 |
| 48 | | Acenaphthylene | 40.000 | 38.492 | 3.8 | 63 | -0.05 |
| 49 | | Dimethylphthalate | 40.000 | 41.171 | -2.9 | 68 | -0.05 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.064 | -2.7 | 64 | -0.05 |
| 51 | C | Acenaphthene | 40.000 | 39.076 | 2.3 | 62 | -0.05 |
| 52 | | 3-Nitroaniline | 40.000 | 43.729 | -9.3 | 69 | -0.05 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 54.669 | -36.7# | 92 | -0.05 |
| 54 | | Dibenzofuran | 40.000 | 37.540 | 6.2 | 60 | -0.05 |
| 55 | P | 4-Nitrophenol | 40.000 | 44.185 | -10.5 | 63 | -0.05 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.320 | 4.2 | 56 | -0.05 |
| 57 | | Fluorene | 40.000 | 37.124 | 7.2 | 61 | -0.05 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.052 | -2.6 | 67 | -0.05 |
| 59 | | Diethylphthalate | 40.000 | 40.169 | -0.4 | 67 | -0.05 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 47.638 | -19.1 | 76 | -0.05 |
| 61 | | 4-Nitroaniline | 40.000 | 46.986 | -17.5 | 83 | -0.03 |
| 62 | | Azobenzene | 40.000 | 40.238 | -0.6 | 68 | -0.05 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 74 | -0.05 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.361 | -0.9 | 80 | -0.05 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.165 | 9.6 | 66 | -0.05 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.372 | 6.6 | 65 | -0.06 |
| 67 | | Hexachlorobenzene | 40.000 | 38.403 | 4.0 | 75 | -0.05 |
| 68 | | Atrazine | 40.000 | 40.917 | -2.3 | 67 | -0.05 |
| 69 | C | Pentachlorophenol | 40.000 | 35.648 | 10.9 | 57 | -0.05 |
| 70 | | Phenanthrene | 40.000 | 36.050 | 9.9 | 61 | -0.05 |
| 71 | | Anthracene | 40.000 | 42.823 | -7.1 | 82 | -0.05 |
| 72 | | Carbazole | 40.000 | 37.009 | 7.5 | 65 | -0.06 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.287 | -3.2 | 73 | -0.05 |
| 74 | C | Fluoranthene | 40.000 | 39.890 | 0.3 | 76 | -0.05 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 72 | -0.05 |
| 76 | | Benzidine | 40.000 | 34.920 | 12.7 | 62 | -0.05 |
| 77 | | Pyrene | 40.000 | 37.410 | 6.5 | 76 | -0.05 |
| 78 | S | Terphenyl-d14 | 80.000 | 68.565 | 14.3 | 71 | -0.05 |
| 79 | | Butylbenzylphthalate | 40.000 | 38.410 | 4.0 | 67 | -0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 36.401 | 9.0 | 69 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.000 | 2.5 | 69 | -0.05 |
| 82 | | Chrysene | 40.000 | 35.252 | 11.9 | 64 | -0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 35.738 | 10.7 | 67 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 35.657 | 10.9 | 60 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.476 | -3.7 | 76 | -0.08 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 72 | -0.06 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.415 | 9.0 | 62 | -0.06 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.849 | -4.6 | 76 | -0.06 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.712 | 0.7 | 68 | -0.06 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.434 | -1.1 | 76 | -0.08 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.601 | -1.5 | 78 | -0.09 |

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