# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF041317\
Data File : BF094414.D
Acq On : 14 Apr 2017 3:08
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 14 07:43:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 14 01:21:26 2017
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 | 89 | -0.04 |
| 2 | | 1,4-Dioxane | 40.000 | 37.350 | 6.6 | 82 | -0.05 |
| 3 | | Pyridine | 40.000 | 37.686 | 5.8 | 81 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.897 | 7.8 | 79 | -0.04 |
| 5 | S | 2-Fluorophenol | 80.000 | 75.697 | 5.4 | 84 | -0.04 |
| 6 | | Aniline | 40.000 | 34.827 | 12.9 | 75 | -0.04 |
| 7 | S | Phenol-d6 | 80.000 | 71.520 | 10.6 | 79 | -0.04 |
| 8 | | 2-Chlorophenol | 40.000 | 38.403 | 4.0 | 83 | -0.04 |
| 9 | | Benzaldehyde | 40.000 | 33.524 | 16.2 | 74 | -0.04 |
| 10 | C | Phenol | 40.000 | 37.878 | 5.3 | 80 | -0.04 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.783 | 5.5 | 83 | -0.04 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.074 | 2.3 | 86 | -0.04 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.023 | 2.4 | 86 | -0.04 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.336 | 4.2 | 85 | -0.04 |
| 15 | | Benzyl Alcohol | 40.000 | 33.114 | 17.2 | 71 | -0.04 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.203 | 17.0 | 72 | -0.04 |
| 17 | | 2-Methylphenol | 40.000 | 36.148 | 9.6 | 79 | -0.04 |
| 18 | | Hexachloroethane | 40.000 | 33.320 | 16.7 | 72 | -0.04 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.800 | 3.0 | 85 | -0.04 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.719 | -4.3 | 94 | -0.04 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 82 | -0.04 |
| 22 | | Acetophenone | 40.000 | 42.348 | -5.9 | 90 | -0.04 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.044 | -0.1 | 82 | -0.04 |
| 24 | | Nitrobenzene | 40.000 | 39.101 | 2.2 | 79 | -0.04 |
| 25 | | Isophorone | 40.000 | 38.592 | 3.5 | 79 | -0.04 |
| 26 | C | 2-Nitrophenol | 40.000 | 36.878 | 7.8 | 71 | -0.04 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.545 | 3.6 | 79 | -0.04 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.423 | 1.4 | 81 | -0.04 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.951 | 2.6 | 79 | -0.04 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.672 | -1.7 | 84 | -0.04 |
| 31 | | Naphthalene | 40.000 | 39.212 | 2.0 | 82 | -0.04 |
| 32 | | Benzoic acid | 40.000 | 24.308 | 39.2# | 44 | -0.07 |
| 33 | | 4-Chloroaniline | 40.000 | 38.870 | 2.8 | 79 | -0.04 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.069 | -2.7 | 84 | -0.04 |
| 35 | | Caprolactam | 40.000 | 38.294 | 4.3 | 76 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.679 | 5.8 | 77 | -0.04 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.638 | 3.4 | 80 | -0.04 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 78 | -0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.417 | -8.5 | 85 | -0.04 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 7.637 | 80.9# | 14 | -0.04 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 66.743 | 16.6 | 63 | -0.04 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.565 | 3.6 | 74 | -0.04 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 37.602 | 6.0 | 70 | -0.04 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 84.477 | -5.6 | 82 | -0.04 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.024 | -2.6 | 80 | -0.04 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.589 | -1.5 | 80 | -0.04 |
| 47 | | 2-Nitroaniline | 40.000 | 41.506 | -3.8 | 77 | -0.04 |
| 48 | | Acenaphthylene | 40.000 | 38.235 | 4.4 | 74 | -0.04 |
| 49 | | Dimethylphthalate | 40.000 | 41.973 | -4.9 | 82 | -0.04 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.483 | 3.8 | 72 | -0.04 |
| 51 | C | Acenaphthene | 40.000 | 38.330 | 4.2 | 76 | -0.04 |
| 52 | | 3-Nitroaniline | 40.000 | 40.706 | -1.8 | 78 | -0.04 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 7.097 | 82.3# | 5 | -0.06 |
| 54 | | Dibenzofuran | 40.000 | 37.470 | 6.3 | 72 | -0.04 |
| 55 | P | 4-Nitrophenol | 40.000 | 22.909 | 42.7# | 42 | -0.04 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 33.798 | 15.5 | 62 | -0.04 |
| 57 | | Fluorene | 40.000 | 36.738 | 8.2 | 76 | -0.04 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 31.797 | 20.5 | 60 | -0.04 |
| 59 | | Diethylphthalate | 40.000 | 40.011 | -0.0 | 78 | -0.04 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.009 | 2.5 | 80 | -0.05 |
| 61 | | 4-Nitroaniline | 40.000 | 38.376 | 4.1 | 72 | -0.04 |
| 62 | | Azobenzene | 40.000 | 36.523 | 8.7 | 70 | -0.04 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 68 | -0.04 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 7.122 | 82.2# | 11 | -0.04 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 44.148 | -10.4 | 75 | -0.04 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 44.586 | -11.5 | 75 | -0.04 |
| 67 | | Hexachlorobenzene | 40.000 | 41.024 | -2.6 | 70 | -0.05 |
| 68 | | Atrazine | 40.000 | 38.385 | 4.0 | 64 | -0.04 |
| 69 | C | Pentachlorophenol | 40.000 | 28.441 | 28.9# | 46 | -0.05 |
| 70 | | Phenanthrene | 40.000 | 39.567 | 1.1 | 68 | -0.05 |
| 71 | | Anthracene | 40.000 | 39.332 | 1.7 | 67 | -0.05 |
| 72 | | Carbazole | 40.000 | 37.653 | 5.9 | 64 | -0.05 |
| 73 | | Di-n-butylphthalate | 40.000 | 43.759 | -9.4 | 73 | -0.05 |
| 74 | C | Fluoranthene | 40.000 | 36.180 | 9.6 | 62 | -0.05 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 62 | -0.05 |
| 76 | | Benzidine | 40.000 | 35.836 | 10.4 | 54 | -0.05 |
| 77 | | Pyrene | 40.000 | 38.941 | 2.6 | 60 | -0.05 |
| 78 | S | Terphenyl-d14 | 80.000 | 83.464 | -4.3 | 65 | -0.05 |
| 79 | | Butylbenzylphthalate | 40.000 | 43.787 | -9.5 | 64 | -0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.338 | 1.7 | 60 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 43.500 | -8.8 | 64 | -0.05 |
| 82 | | Chrysene | 40.000 | 40.726 | -1.8 | 63 | -0.05 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.926 | -14.8 | 68 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 44.727 | -11.8 | 65 | -0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.676 | 5.8 | 60 | -0.09 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 63 | -0.05 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 44.426 | -11.1 | 68 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.276 | 4.3 | 58 | -0.05 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.452 | -1.1 | 61 | -0.05 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.991 | 2.5 | 61 | -0.08 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.647 | 5.9 | 60 | -0.09 |

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