# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF030217\
Data File : BF093314.D
Acq On : 2 Mar 2017 10:56
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 03 00:19:01 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 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 | 94 | -0.06 |
| 2 | | 1,4-Dioxane | 40.000 | 40.764 | -1.9 | 98 | -0.11 |
| 3 | | Pyridine | 40.000 | 50.514 | -26.3# | 117 | -0.14 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 49.731 | -24.3 | 116 | -0.13 |
| 5 | S | 2-Fluorophenol | 80.000 | 88.623 | -10.8 | 100 | -0.06 |
| 6 | | Aniline | 40.000 | 38.473 | 3.8 | 93 | -0.05 |
| 7 | S | Phenol-d6 | 80.000 | 80.504 | -0.6 | 95 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 39.753 | 0.6 | 93 | -0.06 |
| 9 | | Benzaldehyde | 40.000 | 33.808 | 15.5 | 78 | -0.06 |
| 10 | C | Phenol | 40.000 | 41.088 | -2.7 | 102 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.105 | 4.7 | 94 | -0.06 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.824 | -2.1 | 98 | -0.06 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.016 | -0.0 | 97 | -0.06 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.097 | 2.3 | 91 | -0.06 |
| 15 | | Benzyl Alcohol | 40.000 | 37.437 | 6.4 | 91 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.028 | 4.9 | 90 | -0.06 |
| 17 | | 2-Methylphenol | 40.000 | 38.546 | 3.6 | 86 | -0.05 |
| 18 | | Hexachloroethane | 40.000 | 40.476 | -1.2 | 95 | -0.06 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.565 | 3.6 | 99 | -0.06 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.430 | -8.6 | 99 | -0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 92 | -0.06 |
| 22 | | Acetophenone | 40.000 | 41.212 | -3.0 | 98 | -0.05 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 84.998 | -6.2 | 97 | -0.05 |
| 24 | | Nitrobenzene | 40.000 | 39.074 | 2.3 | 96 | -0.06 |
| 25 | | Isophorone | 40.000 | 40.760 | -1.9 | 96 | -0.06 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.190 | -5.5 | 90 | -0.05 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.914 | 7.7 | 81 | -0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.505 | -6.3 | 98 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.385 | -3.5 | 100 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.073 | 2.3 | 92 | -0.06 |
| 31 | | Naphthalene | 40.000 | 37.734 | 5.7 | 89 | -0.06 |
| 32 | | Benzoic acid | 40.000 | 35.198 | 12.0 | 77 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.708 | 0.7 | 90 | -0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 36.710 | 8.2 | 84 | -0.06 |
| 35 | | Caprolactam | 40.000 | 39.862 | 0.3 | 86 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.947 | -2.4 | 93 | -0.03 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.151 | 4.6 | 88 | -0.05 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 91 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.791 | 0.5 | 92 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 35.238 | 11.9 | 79 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 77.177 | 3.5 | 81 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.470 | 1.3 | 85 | -0.03 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.240 | 4.4 | 90 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 76.930 | 3.8 | 83 | -0.05 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.948 | 2.6 | 85 | -0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.596 | -1.5 | 87 | -0.05 |
| 47 | | 2-Nitroaniline | 40.000 | 45.642 | -14.1 | 111 | -0.03 |
| 48 | | Acenaphthylene | 40.000 | 41.100 | -2.8 | 101 | -0.03 |
| 49 | | Dimethylphthalate | 40.000 | 40.296 | -0.7 | 91 | -0.03 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.096 | -7.7 | 96 | -0.03 |
| 51 | C | Acenaphthene | 40.000 | 39.552 | 1.1 | 95 | -0.03 |
| 52 | | 3-Nitroaniline | 40.000 | 44.657 | -11.6 | 95 | -0.03 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 36.142 | 9.6 | 82 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 38.550 | 3.6 | 94 | -0.03 |
| 55 | P | 4-Nitrophenol | 40.000 | 36.611 | 8.5 | 84 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.991 | 0.0 | 81 | -0.02 |
| 57 | | Fluorene | 40.000 | 44.550 | -11.4 | 104 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.934 | -2.3 | 83 | -0.03 |
| 59 | | Diethylphthalate | 40.000 | 41.874 | -4.7 | 93 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.225 | -3.1 | 96 | -0.03 |
| 61 | | 4-Nitroaniline | 40.000 | 45.052 | -12.6 | 103 | -0.02 |
| 62 | | Azobenzene | 40.000 | 43.852 | -9.6 | 100 | -0.03 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 96 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.896 | -7.2 | 103 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.223 | -5.6 | 100 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.724 | 0.7 | 97 | -0.03 |
| 67 | | Hexachlorobenzene | 40.000 | 40.494 | -1.2 | 99 | -0.03 |
| 68 | | Atrazine | 40.000 | 35.671 | 10.8 | 91 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 36.213 | 9.5 | 86 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 40.010 | -0.0 | 95 | -0.03 |
| 71 | | Anthracene | 40.000 | 36.594 | 8.5 | 90 | -0.05 |
| 72 | | Carbazole | 40.000 | 38.213 | 4.5 | 86 | -0.03 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.747 | -4.4 | 101 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 39.457 | 1.4 | 92 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 100 | -0.03 |
| 76 | | Benzidine | 40.000 | 37.666 | 5.8 | 95 | -0.03 |
| 77 | | Pyrene | 40.000 | 38.943 | 2.6 | 92 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 70.164 | 12.3 | 91 | -0.05 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.358 | 1.6 | 98 | -0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.254 | 4.4 | 94 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 37.177 | 7.1 | 90 | -0.05 |
| 82 | | Chrysene | 40.000 | 38.381 | 4.0 | 88 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.794 | -4.5 | 100 | -0.05 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 43.171 | -7.9 | 103 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.876 | 5.3 | 99 | -0.05 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 97 | -0.05 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.188 | -3.0 | 95 | -0.03 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.940 | 2.7 | 103 | -0.05 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.025 | -0.1 | 97 | -0.05 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 37.982 | 5.0 | 98 | -0.06 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.369 | 4.1 | 99 | -0.07 |

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