# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050916\
Data File : BF086851.D
Acq On : 10 May 2016 5:42
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 10 06:05:56 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 09 16:04:56 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 | 107 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.676 | 3.3 | 103 | 0.00 |
| 3 | | Pyridine | 40.000 | 37.769 | 5.6 | 100 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.275 | -0.7 | 102 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 83.062 | -3.8 | 109 | 0.00 |
| 6 | | Aniline | 40.000 | 38.225 | 4.4 | 102 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.310 | 4.6 | 102 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.729 | 5.7 | 100 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.581 | 8.5 | 101 | 0.00 |
| 10 | C | Phenol | 40.000 | 36.857 | 7.9 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.418 | 1.5 | 99 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.981 | 7.5 | 99 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 35.942 | 10.1 | 101 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.009 | -0.0 | 103 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 38.705 | 3.2 | 101 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.190 | 12.0 | 99 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.315 | 1.7 | 101 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 36.132 | 9.7 | 98 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.175 | -0.4 | 99 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.374 | 4.1 | 98 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 105 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.908 | 5.2 | 101 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 76.908 | 3.9 | 101 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 37.645 | 5.9 | 98 | 0.00 |
| 25 | | Isophorone | 40.000 | 36.814 | 8.0 | 102 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.875 | -2.2 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 34.545 | 13.6 | 98 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.086 | -0.2 | 102 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.995 | 5.0 | 101 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.170 | 2.1 | 103 | 0.00 |
| 31 | | Naphthalene | 40.000 | 37.329 | 6.7 | 100 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 36.184 | 9.5 | 96 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 38.020 | 4.9 | 99 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.577 | 3.6 | 101 | 0.00 |
| 35 | | Caprolactam | 40.000 | 38.518 | 3.7 | 107 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 36.925 | 7.7 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.352 | 1.6 | 101 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.429 | 6.4 | 99 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 17.612 | 56.0# | 44 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 77.732 | 2.8 | 103 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 37.984 | 5.0 | 102 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.059 | 2.4 | 100 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 70.545 | 11.8 | 102 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.985 | -2.5 | 102 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.146 | -0.4 | 100 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 37.796 | 5.5 | 103 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.888 | -2.2 | 101 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 37.775 | 5.6 | 104 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 36.077 | 9.8 | 98 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 41.349 | -3.4 | 100 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 37.531 | 6.2 | 99 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 24.345 | 39.1# | 57 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.828 | -2.1 | 99 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 37.753 | 5.6 | 95 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 37.647 | 5.9 | 96 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.365 | 1.6 | 97 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.268 | 4.3 | 93 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 38.651 | 3.4 | 99 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.808 | 5.5 | 100 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 38.526 | 3.7 | 92 | 0.00 |
| 62 | | Azobenzene | 40.000 | 38.895 | 2.8 | 103 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 26.404 | 34.0# | 68 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.221 | -3.1 | 109 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.404 | -6.0 | 101 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 36.358 | 9.1 | 100 | 0.00 |
| 68 | | Atrazine | 40.000 | 35.132 | 12.2 | 81 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 37.659 | 5.9 | 87 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 33.981 | 15.0 | 93 | 0.00 |
| 71 | | Anthracene | 40.000 | 38.612 | 3.5 | 94 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.124 | 2.2 | 101 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.936 | -2.3 | 102 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 30.610 | 23.5# | 75 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 76 | | Benzidine | 40.000 | 43.653 | -9.1 | 84 | 0.00 |
| 77 | | Pyrene | 40.000 | 35.549 | 11.1 | 78 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 73.764 | 7.8 | 78 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.429 | -6.1 | 93 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 35.917 | 10.2 | 78 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 36.416 | 9.0 | 73 | -0.01 |
| 82 | | Chrysene | 40.000 | 36.438 | 8.9 | 86 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.558 | -8.9 | 93 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.629 | -6.6 | 91 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 50.250 | -25.6# | 105 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 108 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.966 | 7.6 | 108 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 33.647 | 15.9 | 88 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 36.449 | 8.9 | 100 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.184 | -3.0 | 106 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.524 | 1.2 | 102 | 0.00 |

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