# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF042115\
Data File : BF078706.D
Acq On : 22 Apr 2015 4:34
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 22 05:14:51 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 22 00:52:13 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 | 127 | -0.05 |
| 2 | | 1,4-Dioxane | 40.000 | 33.530 | 16.2 | 106 | -0.05 |
| 3 | | Pyridine | 40.000 | 43.148 | -7.9 | 130 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 45.924 | -14.8 | 149 | -0.05 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.991 | 0.0 | 128 | -0.03 |
| 6 | | Aniline | 40.000 | 40.513 | -1.3 | 131 | -0.05 |
| 7 | S | Phenol-d6 | 80.000 | 80.287 | -0.4 | 130 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 39.899 | 0.3 | 127 | -0.03 |
| 9 | | Benzaldehyde | 40.000 | 31.367 | 21.6 | 98 | -0.03 |
| 10 | C | Phenol | 40.000 | 39.061 | 2.3 | 125 | -0.03 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.813 | 3.0 | 121 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.788 | 0.5 | 130 | -0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.225 | -0.6 | 132 | -0.03 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.908 | 0.2 | 130 | -0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 45.496 | -13.7 | 146 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.292 | 1.8 | 126 | -0.03 |
| 17 | | 2-Methylphenol | 40.000 | 40.527 | -1.3 | 127 | -0.03 |
| 18 | | Hexachloroethane | 40.000 | 39.873 | 0.3 | 128 | -0.05 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.794 | -4.5 | 133 | -0.03 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.310 | -0.8 | 126 | -0.03 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 132 | -0.03 |
| 22 | | Acetophenone | 40.000 | 40.716 | -1.8 | 133 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.787 | -1.0 | 133 | -0.03 |
| 24 | | Nitrobenzene | 40.000 | 41.798 | -4.5 | 139 | -0.03 |
| 25 | | Isophorone | 40.000 | 42.907 | -7.3 | 135 | -0.03 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.209 | -8.0 | 130 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.173 | -0.4 | 129 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.694 | -1.7 | 131 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.165 | -5.4 | 137 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.148 | -0.4 | 135 | -0.03 |
| 31 | | Naphthalene | 40.000 | 39.955 | 0.1 | 133 | -0.03 |
| 32 | | Benzoic acid | 40.000 | 44.682 | -11.7 | 150 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 41.974 | -4.9 | 132 | -0.03 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.231 | -5.6 | 138 | -0.03 |
| 35 | | Caprolactam | 40.000 | 44.381 | -11.0 | 137 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.461 | -8.7 | 138 | -0.03 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.193 | -0.5 | 132 | -0.05 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 129 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.596 | -4.0 | 133 | -0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 21.799 | 45.5# | 60 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 95.453 | -19.3 | 147 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 45.608 | -14.0 | 143 | -0.05 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 44.711 | -11.8 | 141 | -0.03 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 81.999 | -2.5 | 134 | -0.03 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.771 | 0.6 | 128 | -0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.227 | -0.6 | 131 | -0.05 |
| 47 | | 2-Nitroaniline | 40.000 | 50.330 | -25.8# | 155 | -0.03 |
| 48 | | Acenaphthylene | 40.000 | 42.140 | -5.4 | 135 | -0.05 |
| 49 | | Dimethylphthalate | 40.000 | 43.892 | -9.7 | 144 | -0.03 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.110 | -7.8 | 134 | -0.03 |
| 51 | C | Acenaphthene | 40.000 | 42.954 | -7.4 | 142 | -0.03 |
| 52 | | 3-Nitroaniline | 40.000 | 47.188 | -18.0 | 141 | -0.05 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 30.407 | 24.0 | 86 | -0.03 |
| 54 | | Dibenzofuran | 40.000 | 43.021 | -7.6 | 141 | -0.03 |
| 55 | P | 4-Nitrophenol | 40.000 | 38.456 | 3.9 | 124 | -0.03 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 48.712 | -21.8 | 148 | -0.02 |
| 57 | | Fluorene | 40.000 | 44.562 | -11.4 | 143 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.116 | -7.8 | 133 | -0.03 |
| 59 | | Diethylphthalate | 40.000 | 45.334 | -13.3 | 143 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 44.643 | -11.6 | 145 | -0.05 |
| 61 | | 4-Nitroaniline | 40.000 | 47.663 | -19.2 | 140 | -0.02 |
| 62 | | Azobenzene | 40.000 | 49.096 | -22.7 | 159 | -0.05 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 144 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 31.249 | 21.9 | 110 | -0.03 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.160 | -0.4 | 141 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.544 | -6.4 | 149 | -0.05 |
| 67 | | Hexachlorobenzene | 40.000 | 41.170 | -2.9 | 144 | -0.05 |
| 68 | | Atrazine | 40.000 | 43.198 | -8.0 | 143 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 36.668 | 8.3 | 126 | -0.05 |
| 70 | | Phenanthrene | 40.000 | 40.040 | -0.1 | 140 | -0.03 |
| 71 | | Anthracene | 40.000 | 41.425 | -3.6 | 144 | -0.03 |
| 72 | | Carbazole | 40.000 | 41.526 | -3.8 | 140 | -0.03 |
| 73 | | Di-n-butylphthalate | 40.000 | 46.571 | -16.4 | 156 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 43.002 | -7.5 | 151 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 134 | -0.03 |
| 76 | | Benzidine | 40.000 | 43.856 | -9.6 | 143 | -0.02 |
| 77 | | Pyrene | 40.000 | 42.683 | -6.7 | 143 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 82.267 | -2.8 | 136 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 52.474 | -31.2# | 162 | -0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.956 | -4.9 | 134 | -0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 45.922 | -14.8 | 148 | -0.02 |
| 82 | | Chrysene | 40.000 | 42.583 | -6.5 | 147 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 49.749 | -24.4 | 155 | -0.03 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 52.969 | -32.4# | 164 | -0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 46.500 | -16.3 | 152 | -0.13 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 153 | -0.08 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 37.259 | 6.9 | 147 | -0.06 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.614 | -4.0 | 157 | -0.06 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.965 | -2.4 | 153 | -0.07 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.781 | 3.0 | 147 | -0.13 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.133 | 4.7 | 146 | -0.13 |

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