# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032615\
Data File : BF078034.D
Acq On : 27 Mar 2015 11:15
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 27 15:22:25 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 19 02:09:19 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 | 119 | -0.07 |
| 2 | | 1,4-Dioxane | 40.000 | 36.306 | 9.2 | 107 | -0.09 |
| 3 | | Pyridine | 40.000 | 43.713 | -9.3 | 133 | -0.13 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.470 | -1.2 | 111 | -0.11 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.018 | -2.5 | 126 | -0.05 |
| 6 | | Aniline | 40.000 | 39.281 | 1.8 | 120 | -0.07 |
| 7 | S | Phenol-d6 | 80.000 | 83.763 | -4.7 | 125 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 39.802 | 0.5 | 123 | -0.06 |
| 9 | | Benzaldehyde | 40.000 | 51.900 | -29.8# | 155 | -0.06 |
| 10 | C | Phenol | 40.000 | 41.746 | -4.4 | 128 | -0.03 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.380 | 4.0 | 115 | -0.07 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.329 | 1.7 | 121 | -0.07 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.495 | 1.3 | 124 | -0.07 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.337 | 1.7 | 122 | -0.07 |
| 15 | | Benzyl Alcohol | 40.000 | 38.467 | 3.8 | 115 | -0.06 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.462 | 3.8 | 117 | -0.06 |
| 17 | | 2-Methylphenol | 40.000 | 40.278 | -0.7 | 120 | -0.05 |
| 18 | | Hexachloroethane | 40.000 | 39.829 | 0.4 | 126 | -0.07 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.912 | 5.2 | 117 | -0.07 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.318 | -3.3 | 127 | -0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 118 | -0.07 |
| 22 | | Acetophenone | 40.000 | 40.604 | -1.5 | 122 | -0.07 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.583 | -0.7 | 123 | -0.07 |
| 24 | | Nitrobenzene | 40.000 | 38.642 | 3.4 | 120 | -0.07 |
| 25 | | Isophorone | 40.000 | 39.386 | 1.5 | 117 | -0.06 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.606 | -4.0 | 116 | -0.06 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.289 | -0.7 | 119 | -0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.193 | 4.5 | 116 | -0.07 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.535 | 1.2 | 116 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.439 | 3.9 | 114 | -0.07 |
| 31 | | Naphthalene | 40.000 | 38.866 | 2.8 | 117 | -0.06 |
| 32 | | Benzoic acid | 40.000 | 48.209 | -20.5 | 151 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 41.097 | -2.7 | 120 | -0.06 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.698 | 3.3 | 117 | -0.07 |
| 35 | | Caprolactam | 40.000 | 41.846 | -4.6 | 123 | -0.06 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.808 | 0.5 | 121 | -0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.476 | 1.3 | 116 | -0.06 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 118 | -0.07 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.153 | 7.1 | 111 | -0.06 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 22.397 | 44.0# | 64 | -0.07 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 76.285 | 4.6 | 112 | -0.07 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.769 | 3.1 | 111 | -0.06 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.220 | 2.0 | 117 | -0.05 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.980 | 8.8 | 112 | -0.07 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 37.738 | 5.7 | 111 | -0.06 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.776 | 5.6 | 115 | -0.07 |
| 47 | | 2-Nitroaniline | 40.000 | 39.939 | 0.2 | 112 | -0.07 |
| 48 | | Acenaphthylene | 40.000 | 38.264 | 4.3 | 116 | -0.07 |
| 49 | | Dimethylphthalate | 40.000 | 36.301 | 9.2 | 110 | -0.07 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.228 | -0.6 | 119 | -0.07 |
| 51 | C | Acenaphthene | 40.000 | 36.767 | 8.1 | 109 | -0.07 |
| 52 | | 3-Nitroaniline | 40.000 | 40.234 | -0.6 | 116 | -0.06 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 15.698 | 60.8# | 30 | -0.06 |
| 54 | | Dibenzofuran | 40.000 | 37.328 | 6.7 | 111 | -0.07 |
| 55 | P | 4-Nitrophenol | 40.000 | 36.748 | 8.1 | 102 | -0.05 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 40.669 | -1.7 | 121 | -0.06 |
| 57 | | Fluorene | 40.000 | 37.640 | 5.9 | 111 | -0.07 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.246 | 1.9 | 115 | -0.07 |
| 59 | | Diethylphthalate | 40.000 | 38.000 | 5.0 | 113 | -0.07 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 35.427 | 11.4 | 107 | -0.07 |
| 61 | | 4-Nitroaniline | 40.000 | 42.410 | -6.0 | 124 | -0.06 |
| 62 | | Azobenzene | 40.000 | 38.380 | 4.0 | 105 | -0.07 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 119 | -0.07 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 17.989 | 55.0# | 47 | -0.07 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.648 | 3.4 | 112 | -0.06 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 38.648 | 3.4 | 112 | -0.07 |
| 67 | | Hexachlorobenzene | 40.000 | 37.700 | 5.7 | 111 | -0.07 |
| 68 | | Atrazine | 40.000 | 36.733 | 8.2 | 104 | -0.07 |
| 69 | C | Pentachlorophenol | 40.000 | 32.675 | 18.3 | 98 | -0.06 |
| 70 | | Phenanthrene | 40.000 | 38.863 | 2.8 | 115 | -0.08 |
| 71 | | Anthracene | 40.000 | 40.420 | -1.1 | 123 | -0.07 |
| 72 | | Carbazole | 40.000 | 41.058 | -2.6 | 126 | -0.07 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.784 | 3.0 | 115 | -0.07 |
| 74 | C | Fluoranthene | 40.000 | 40.620 | -1.5 | 114 | -0.08 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 121 | -0.18 |
| 76 | | Benzidine | 40.000 | 40.392 | -1.0 | 118 | -0.08 |
| 77 | | Pyrene | 40.000 | 38.108 | 4.7 | 106 | -0.08 |
| 78 | S | Terphenyl-d14 | 80.000 | 70.055 | 12.4 | 100 | -0.09 |
| 79 | | Butylbenzylphthalate | 40.000 | 40.420 | -1.1 | 120 | -0.13 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.798 | 0.5 | 125 | -0.18 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.722 | -4.3 | 132 | -0.17 |
| 82 | | Chrysene | 40.000 | 41.039 | -2.6 | 125 | -0.18 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.941 | 7.6 | 114 | -0.19 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 38.029 | 4.9 | 118 | -0.31 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 32.708 | 18.2 | 106 | -0.16 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 131 | -0.45 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.460 | -1.2 | 134 | -0.37 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 35.871 | 10.3 | 124 | -0.37 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.243 | -0.6 | 134 | -0.42 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.918 | 2.7 | 130 | -0.57# |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.317 | 4.2 | 126 | -0.58# |

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