# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012615\
Data File : BF077086.D
Acq On : 27 Jan 2015 13:25
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 27 14:07:47 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 23 15:21:24 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 | 89 | 0.05 |
| 2 | | 1,4-Dioxane | 40.000 | 30.229 | 24.4 | 71 | 0.02 |
| 3 | | Pyridine | 40.000 | 40.601 | -1.5 | 75 | 0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.955 | 10.1 | 79 | 0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 79.405 | 0.7 | 84 | 0.06 |
| 6 | | Aniline | 40.000 | 39.787 | 0.5 | 83 | 0.05 |
| 7 | S | Phenol-d6 | 80.000 | 78.408 | 2.0 | 83 | 0.05 |
| 8 | | 2-Chlorophenol | 40.000 | 39.690 | 0.8 | 83 | 0.06 |
| 9 | | Benzaldehyde | 40.000 | 34.467 | 13.8 | 88 | 0.05 |
| 10 | C | Phenol | 40.000 | 38.882 | 2.8 | 79 | 0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.504 | -3.8 | 90 | 0.03 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.793 | 3.0 | 84 | 0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.728 | 3.2 | 84 | 0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.584 | -1.5 | 86 | 0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 41.411 | -3.5 | 86 | 0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.449 | 1.4 | 85 | 0.05 |
| 17 | | 2-Methylphenol | 40.000 | 39.756 | 0.6 | 82 | 0.05 |
| 18 | | Hexachloroethane | 40.000 | 38.365 | 4.1 | 81 | 0.05 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.074 | -0.2 | 84 | 0.05 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.057 | 7.4 | 79 | 0.05 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 88 | 0.05 |
| 22 | | Acetophenone | 40.000 | 40.113 | -0.3 | 83 | 0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.857 | 0.2 | 82 | 0.05 |
| 24 | | Nitrobenzene | 40.000 | 40.081 | -0.2 | 81 | 0.03 |
| 25 | | Isophorone | 40.000 | 40.566 | -1.4 | 83 | 0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 37.303 | 6.7 | 78 | 0.05 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.981 | -2.5 | 82 | 0.05 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.745 | -1.9 | 82 | 0.05 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.360 | -3.4 | 83 | 0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 43.044 | -7.6 | 86 | 0.03 |
| 31 | | Naphthalene | 40.000 | 39.576 | 1.1 | 81 | 0.05 |
| 32 | | Benzoic acid | 40.000 | 39.012 | 2.5 | 79 | 0.05 |
| 33 | | 4-Chloroaniline | 40.000 | 38.222 | 4.4 | 79 | 0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.268 | -0.7 | 82 | 0.03 |
| 35 | | Caprolactam | 40.000 | 40.971 | -2.4 | 80 | 0.05 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.327 | -0.8 | 83 | 0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.622 | -1.6 | 85 | 0.05 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 84 | 0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.981 | 0.0 | 82 | 0.05 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 21.450 | 46.4# | 40 | 0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 80.940 | -1.2 | 79 | 0.05 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.193 | -3.0 | 80 | 0.05 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.087 | -2.7 | 80 | 0.06 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 82.646 | -3.3 | 83 | 0.05 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.630 | -4.1 | 82 | 0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.854 | -2.1 | 83 | 0.05 |
| 47 | | 2-Nitroaniline | 40.000 | 41.710 | -4.3 | 81 | 0.05 |
| 48 | | Acenaphthylene | 40.000 | 40.568 | -1.4 | 81 | 0.05 |
| 49 | | Dimethylphthalate | 40.000 | 41.559 | -3.9 | 85 | 0.05 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 41.074 | -2.7 | 78 | 0.05 |
| 51 | C | Acenaphthene | 40.000 | 39.572 | 1.1 | 80 | 0.05 |
| 52 | | 3-Nitroaniline | 40.000 | 37.738 | 5.7 | 77 | 0.06 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 21.662 | 45.8# | 31 | 0.06 |
| 54 | | Dibenzofuran | 40.000 | 40.258 | -0.6 | 82 | 0.05 |
| 55 | P | 4-Nitrophenol | 40.000 | 33.940 | 15.2 | 66 | 0.07 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 37.839 | 5.4 | 78 | 0.05 |
| 57 | | Fluorene | 40.000 | 40.072 | -0.2 | 82 | 0.05 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.314 | 4.2 | 75 | 0.05 |
| 59 | | Diethylphthalate | 40.000 | 42.507 | -6.3 | 86 | 0.05 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.026 | -2.6 | 84 | 0.05 |
| 61 | | 4-Nitroaniline | 40.000 | 39.392 | 1.5 | 81 | 0.05 |
| 62 | | Azobenzene | 40.000 | 41.094 | -2.7 | 83 | 0.03 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 87 | 0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 22.130 | 44.7# | 43 | 0.03 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.813 | 0.5 | 80 | 0.05 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.155 | -2.9 | 81 | 0.03 |
| 67 | | Hexachlorobenzene | 40.000 | 40.108 | -0.3 | 83 | 0.03 |
| 68 | | Atrazine | 40.000 | 44.000 | -10.0 | 84 | 0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 91.393 | -128.5# | 217 | 0.05 |
| 70 | | Phenanthrene | 40.000 | 38.943 | 2.6 | 81 | 0.03 |
| 71 | | Anthracene | 40.000 | 40.445 | -1.1 | 84 | 0.03 |
| 72 | | Carbazole | 40.000 | 39.832 | 0.4 | 81 | 0.03 |
| 73 | | Di-n-butylphthalate | 40.000 | 44.074 | -10.2 | 88 | 0.02 |
| 74 | C | Fluoranthene | 40.000 | 40.782 | -2.0 | 82 | 0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 88 | 0.03 |
| 76 | | Benzidine | 40.000 | 54.917 | -37.3# | 121 | 0.03 |
| 77 | | Pyrene | 40.000 | 40.882 | -2.2 | 82 | 0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 81.338 | -1.7 | 83 | 0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.029 | -10.1 | 85 | 0.03 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.044 | -2.6 | 84 | 0.03 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.415 | -11.0 | 91 | 0.03 |
| 82 | | Chrysene | 40.000 | 39.727 | 0.7 | 81 | 0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 46.312 | -15.8 | 95 | 0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 47.242 | -18.1 | 95 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.070 | -0.2 | 81 | -0.14 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 88 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.514 | -1.3 | 93 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.867 | 2.8 | 75 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.907 | 0.2 | 83 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.615 | 3.5 | 80 | -0.14 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.630 | 0.9 | 82 | -0.14 |

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