# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021115\
Data File : BF077250.D
Acq On : 11 Feb 2015 12:46
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 12 01:41:59 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF011415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 10 13:30:38 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 | 81 | -0.05 |
| 2 | | 1,4-Dioxane | 40.000 | 36.147 | 9.6 | 77 | -0.02 |
| 3 | | Pyridine | 40.000 | 39.239 | 1.9 | 66 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.761 | -11.9 | 90 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.929 | -6.2 | 82 | -0.03 |
| 6 | | Aniline | 40.000 | 41.011 | -2.5 | 78 | -0.05 |
| 7 | S | Phenol-d6 | 80.000 | 83.469 | -4.3 | 81 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 41.723 | -4.3 | 80 | -0.05 |
| 9 | | Benzaldehyde | 40.000 | 37.596 | 6.0 | 86 | -0.06 |
| 10 | C | Phenol | 40.000 | 39.176 | 2.1 | 73 | -0.03 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.307 | -3.3 | 81 | -0.05 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.681 | -4.2 | 82 | -0.05 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.150 | -0.4 | 79 | -0.05 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.266 | -3.2 | 80 | -0.05 |
| 15 | | Benzyl Alcohol | 40.000 | 42.314 | -5.8 | 80 | -0.05 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.409 | -8.5 | 85 | -0.05 |
| 17 | | 2-Methylphenol | 40.000 | 40.473 | -1.2 | 77 | -0.05 |
| 18 | | Hexachloroethane | 40.000 | 42.666 | -6.7 | 82 | -0.05 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.268 | -0.7 | 77 | -0.05 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.060 | -0.2 | 77 | -0.03 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 80 | -0.03 |
| 22 | | Acetophenone | 40.000 | 42.165 | -5.4 | 79 | -0.05 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 87.097 | -8.9 | 81 | -0.03 |
| 24 | | Nitrobenzene | 40.000 | 41.191 | -3.0 | 75 | -0.05 |
| 25 | | Isophorone | 40.000 | 42.193 | -5.5 | 78 | -0.05 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.708 | 3.2 | 74 | -0.05 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.049 | -5.1 | 76 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.801 | -7.0 | 78 | -0.05 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.339 | -0.8 | 73 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 42.717 | -6.8 | 77 | -0.05 |
| 31 | | Naphthalene | 40.000 | 41.682 | -4.2 | 77 | -0.03 |
| 32 | | Benzoic acid | 40.000 | 35.410 | 11.5 | 65 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 40.684 | -1.7 | 76 | -0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.968 | -4.9 | 77 | -0.05 |
| 35 | | Caprolactam | 40.000 | 40.785 | -2.0 | 72 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.168 | -0.4 | 74 | -0.03 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.066 | -2.7 | 77 | -0.05 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 70 | -0.05 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 44.447 | -11.1 | 75 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 40.087 | -0.2 | 70 | -0.05 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.001 | -3.8 | 67 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.826 | -4.6 | 67 | -0.05 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.902 | -7.3 | 69 | -0.03 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 91.961 | -15.0 | 77 | -0.05 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 45.930 | -14.8 | 75 | -0.05 |
| 46 | | 2-Chloronaphthalene | 40.000 | 45.423 | -13.6 | 77 | -0.05 |
| 47 | | 2-Nitroaniline | 40.000 | 44.913 | -12.3 | 72 | -0.05 |
| 48 | | Acenaphthylene | 40.000 | 44.757 | -11.9 | 74 | -0.05 |
| 49 | | Dimethylphthalate | 40.000 | 44.775 | -11.9 | 75 | -0.03 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 47.174 | -17.9 | 74 | -0.03 |
| 51 | C | Acenaphthene | 40.000 | 44.300 | -10.7 | 74 | -0.05 |
| 52 | | 3-Nitroaniline | 40.000 | 40.911 | -2.3 | 69 | -0.05 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 41.128 | -2.8 | 75 | -0.05 |
| 54 | | Dibenzofuran | 40.000 | 43.412 | -8.5 | 73 | -0.05 |
| 55 | P | 4-Nitrophenol | 40.000 | 42.841 | -7.1 | 69 | -0.05 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.841 | -4.6 | 72 | -0.05 |
| 57 | | Fluorene | 40.000 | 44.990 | -12.5 | 76 | -0.05 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 35.458 | 11.4 | 57 | -0.05 |
| 59 | | Diethylphthalate | 40.000 | 45.032 | -12.6 | 75 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 45.816 | -14.5 | 77 | -0.05 |
| 61 | | 4-Nitroaniline | 40.000 | 41.032 | -2.6 | 70 | -0.05 |
| 62 | | Azobenzene | 40.000 | 41.478 | -3.7 | 69 | -0.03 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 73 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.638 | 3.4 | 68 | -0.03 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.816 | -4.5 | 70 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 43.083 | -7.7 | 72 | -0.03 |
| 67 | | Hexachlorobenzene | 40.000 | 43.606 | -9.0 | 76 | -0.02 |
| 68 | | Atrazine | 40.000 | 41.053 | -2.6 | 66 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 33.086 | 17.3 | 57 | -0.03 |
| 70 | | Phenanthrene | 40.000 | 41.436 | -3.6 | 72 | -0.03 |
| 71 | | Anthracene | 40.000 | 41.829 | -4.6 | 73 | -0.03 |
| 72 | | Carbazole | 40.000 | 42.114 | -5.3 | 72 | -0.03 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.908 | -4.8 | 71 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 40.486 | -1.2 | 68 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 68 | -0.02 |
| 76 | | Benzidine | 40.000 | 51.938 | -29.8# | 89 | -0.03 |
| 77 | | Pyrene | 40.000 | 46.168 | -15.4 | 72 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 86.999 | -8.7 | 69 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 45.778 | -14.4 | 69 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 44.405 | -11.0 | 70 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.952 | -12.4 | 71 | -0.02 |
| 82 | | Chrysene | 40.000 | 43.779 | -9.4 | 69 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 44.684 | -11.7 | 71 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 43.607 | -9.0 | 68 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.418 | -6.0 | 66 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 67 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 46.337 | -15.8 | 81 | -0.02 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 38.254 | 4.4 | 56 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 42.208 | -5.5 | 67 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.338 | -3.3 | 65 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.818 | -4.5 | 66 | -0.02 |

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