# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF111414\
Data File : BF075520.D
Acq On : 15 Nov 2014 3:37
Operator : TP / JJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 15 05:47:46 2014
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF111214.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 15 05:44:40 2014
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 | 80 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 43.322 | -8.3 | 87 | -0.07 |
| 3 | | Pyridine | 40.000 | 35.741 | 10.6 | 71 | -0.17 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.135 | -0.3 | 84 | -0.11 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.522 | -5.7 | 86 | -0.03 |
| 6 | | Aniline | 40.000 | 45.217 | -13.0 | 91 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 84.965 | -6.2 | 84 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 41.663 | -4.2 | 83 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 43.264 | -8.2 | 87 | -0.02 |
| 10 | C | Phenol | 40.000 | 45.085 | -12.7 | 88 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.780 | -2.0 | 82 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.135 | -2.8 | 83 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.488 | -3.7 | 83 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.561 | -1.4 | 82 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 40.589 | -1.5 | 78 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.589 | -1.5 | 82 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 42.586 | -6.5 | 84 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 41.253 | -3.1 | 83 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.853 | -4.6 | 83 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.017 | -5.0 | 84 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 79 | -0.02 |
| 22 | | Acetophenone | 40.000 | 39.796 | 0.5 | 80 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 88.391 | -10.5 | 86 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 44.223 | -10.6 | 87 | -0.02 |
| 25 | | Isophorone | 40.000 | 41.199 | -3.0 | 83 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.402 | -6.0 | 84 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.647 | -1.6 | 82 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.270 | -3.2 | 81 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.481 | 1.3 | 78 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.092 | 2.3 | 79 | -0.02 |
| 31 | | Naphthalene | 40.000 | 41.293 | -3.2 | 85 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 42.171 | -5.4 | 76 | 0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 41.197 | -3.0 | 81 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 36.823 | 7.9 | 73 | -0.02 |
| 35 | | Caprolactam | 40.000 | 41.421 | -3.6 | 84 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.559 | 3.6 | 77 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.706 | 0.7 | 80 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 75 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.157 | -0.4 | 75 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 39.948 | 0.1 | 75 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 75.927 | 5.1 | 69 | -0.03 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.791 | 0.5 | 73 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.923 | 0.2 | 75 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 79.494 | 0.6 | 75 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.141 | -0.4 | 77 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.637 | -1.6 | 76 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 44.314 | -10.8 | 83 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 40.254 | -0.6 | 75 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 39.108 | 2.2 | 72 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 39.952 | 0.1 | 75 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 41.057 | -2.6 | 78 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 45.112 | -12.8 | 82 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 40.798 | -2.0 | 75 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 41.374 | -3.4 | 79 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 43.776 | -9.4 | 81 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.408 | -3.5 | 70 | -0.02 |
| 57 | | Fluorene | 40.000 | 39.317 | 1.7 | 74 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.062 | -0.2 | 74 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 36.464 | 8.8 | 66 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.931 | 5.2 | 73 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 44.075 | -10.2 | 82 | -0.02 |
| 62 | | Azobenzene | 40.000 | 41.519 | -3.8 | 79 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 73 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.969 | -2.4 | 72 | -0.03 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.418 | 1.5 | 71 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.366 | 1.6 | 72 | -0.03 |
| 67 | | Hexachlorobenzene | 40.000 | 38.673 | 3.3 | 71 | -0.02 |
| 68 | | Atrazine | 40.000 | 40.049 | -0.1 | 76 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 39.646 | 0.9 | 70 | -0.03 |
| 70 | | Phenanthrene | 40.000 | 41.083 | -2.7 | 75 | -0.02 |
| 71 | | Anthracene | 40.000 | 40.601 | -1.5 | 75 | -0.02 |
| 72 | | Carbazole | 40.000 | 41.361 | -3.4 | 79 | -0.03 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.545 | 6.1 | 69 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 40.697 | -1.7 | 76 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 81 | -0.08 |
| 76 | | Benzidine | 40.000 | 40.139 | -0.3 | 77 | -0.02 |
| 77 | | Pyrene | 40.000 | 36.933 | 7.7 | 71 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 72.929 | 8.8 | 73 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 33.726 | 15.7 | 66 | -0.06 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.427 | 3.9 | 77 | -0.08 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.313 | 4.2 | 74 | -0.09 |
| 82 | | Chrysene | 40.000 | 40.086 | -0.2 | 81 | -0.08 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 32.575 | 18.6 | 65 | -0.09 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 32.756 | 18.1 | 68 | -0.16 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.486 | -13.7 | 90 | -0.25 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 88 | -0.22 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.447 | 1.4 | 91 | -0.19 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 36.392 | 9.0 | 74 | -0.19 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.921 | 2.7 | 84 | -0.22 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.906 | -2.3 | 88 | -0.26 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 43.502 | -8.8 | 94 | -0.25 |

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