# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011617\
Data File : BF092316.D
Acq On : 17 Jan 2017 7:56
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 17 11:34:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 17 11:09:46 2017
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 | 67 | -0.08 |
| 2 | | 1,4-Dioxane | 40.000 | 41.960 | -4.9 | 69 | -0.13 |
| 3 | | Pyridine | 40.000 | 29.887 | 25.3# | 48 | -0.16 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 34.700 | 13.2 | 55 | -0.16 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.210 | -1.5 | 70 | -0.09 |
| 6 | | Aniline | 40.000 | 34.399 | 14.0 | 57 | -0.09 |
| 7 | S | Phenol-d6 | 80.000 | 74.245 | 7.2 | 61 | -0.08 |
| 8 | | 2-Chlorophenol | 40.000 | 38.415 | 4.0 | 63 | -0.08 |
| 9 | | Benzaldehyde | 40.000 | 40.094 | -0.2 | 66 | -0.08 |
| 10 | C | Phenol | 40.000 | 40.887 | -2.2 | 63 | -0.08 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.660 | -1.6 | 63 | -0.08 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.570 | 6.1 | 59 | -0.09 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 36.899 | 7.8 | 60 | -0.09 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.156 | -0.4 | 68 | -0.08 |
| 15 | | Benzyl Alcohol | 40.000 | 36.130 | 9.7 | 59 | -0.08 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.892 | 0.3 | 66 | -0.08 |
| 17 | | 2-Methylphenol | 40.000 | 36.829 | 7.9 | 61 | -0.08 |
| 18 | | Hexachloroethane | 40.000 | 37.535 | 6.2 | 59 | -0.09 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.806 | 3.0 | 61 | -0.08 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.940 | -9.8 | 69 | -0.08 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 67 | -0.08 |
| 22 | | Acetophenone | 40.000 | 37.087 | 7.3 | 61 | -0.08 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 74.592 | 6.8 | 65 | -0.07 |
| 24 | | Nitrobenzene | 40.000 | 35.727 | 10.7 | 54 | -0.08 |
| 25 | | Isophorone | 40.000 | 36.434 | 8.9 | 61 | -0.08 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.786 | 3.0 | 66 | -0.08 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 35.139 | 12.2 | 54 | -0.08 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 34.621 | 13.4 | 56 | -0.08 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.142 | -0.4 | 65 | -0.08 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.866 | 7.8 | 59 | -0.08 |
| 31 | | Naphthalene | 40.000 | 40.091 | -0.2 | 61 | -0.08 |
| 32 | | Benzoic acid | 40.000 | 25.827 | 35.4# | 41 | -0.05 |
| 33 | | 4-Chloroaniline | 40.000 | 34.289 | 14.3 | 56 | -0.08 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.053 | 7.4 | 60 | -0.09 |
| 35 | | Caprolactam | 40.000 | 37.947 | 5.1 | 62 | -0.07 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.277 | 6.8 | 58 | -0.07 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.362 | 4.1 | 65 | -0.08 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 67 | -0.09 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.485 | -1.2 | 61 | -0.08 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 27.625 | 30.9# | 41 | -0.09 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 74.150 | 7.3 | 64 | -0.08 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 34.999 | 12.5 | 53 | -0.07 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 34.363 | 14.1 | 55 | -0.07 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 75.836 | 5.2 | 63 | -0.08 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 42.911 | -7.3 | 64 | -0.08 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.012 | 2.5 | 62 | -0.08 |
| 47 | | 2-Nitroaniline | 40.000 | 36.210 | 9.5 | 54 | -0.08 |
| 48 | | Acenaphthylene | 40.000 | 36.604 | 8.5 | 61 | -0.09 |
| 49 | | Dimethylphthalate | 40.000 | 37.041 | 7.4 | 59 | -0.08 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.673 | 5.8 | 62 | -0.07 |
| 51 | C | Acenaphthene | 40.000 | 35.341 | 11.6 | 60 | -0.09 |
| 52 | | 3-Nitroaniline | 40.000 | 33.800 | 15.5 | 50 | -0.08 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 26.715 | 33.2# | 39 | -0.07 |
| 54 | | Dibenzofuran | 40.000 | 34.119 | 14.7 | 62 | -0.09 |
| 55 | P | 4-Nitrophenol | 40.000 | 24.221 | 39.4# | 37 | -0.07 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.926 | 2.7 | 67 | -0.08 |
| 57 | | Fluorene | 40.000 | 35.369 | 11.6 | 57 | -0.09 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 35.802 | 10.5 | 55 | -0.08 |
| 59 | | Diethylphthalate | 40.000 | 41.034 | -2.6 | 63 | -0.08 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.082 | 2.3 | 66 | -0.08 |
| 61 | | 4-Nitroaniline | 40.000 | 37.823 | 5.4 | 56 | -0.08 |
| 62 | | Azobenzene | 40.000 | 40.719 | -1.8 | 69 | -0.08 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 74 | -0.08 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 32.049 | 19.9 | 55 | -0.07 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 37.653 | 5.9 | 70 | -0.08 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 34.636 | 13.4 | 65 | -0.08 |
| 67 | | Hexachlorobenzene | 40.000 | 33.694 | 15.8 | 61 | -0.08 |
| 68 | | Atrazine | 40.000 | 33.156 | 17.1 | 61 | -0.09 |
| 69 | C | Pentachlorophenol | 40.000 | 30.652 | 23.4# | 50 | -0.08 |
| 70 | | Phenanthrene | 40.000 | 37.753 | 5.6 | 67 | -0.08 |
| 71 | | Anthracene | 40.000 | 36.502 | 8.7 | 71 | -0.09 |
| 72 | | Carbazole | 40.000 | 36.854 | 7.9 | 72 | -0.09 |
| 73 | | Di-n-butylphthalate | 40.000 | 42.783 | -7.0 | 75 | -0.08 |
| 74 | C | Fluoranthene | 40.000 | 35.064 | 12.3 | 65 | -0.09 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 55 | -0.09 |
| 76 | | Benzidine | 40.000 | 6.844 | 82.9# | 13 | -0.08 |
| 77 | | Pyrene | 40.000 | 44.006 | -10.0 | 64 | -0.08 |
| 78 | S | Terphenyl-d14 | 80.000 | 83.599 | -4.5 | 63 | -0.09 |
| 79 | | Butylbenzylphthalate | 40.000 | 43.115 | -7.8 | 55 | -0.09 |
| 80 | | Benzo(a)anthracene | 40.000 | 42.089 | -5.2 | 58 | -0.09 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.519 | -3.8 | 60 | -0.09 |
| 82 | | Chrysene | 40.000 | 44.580 | -11.4 | 67 | -0.08 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 46.695 | -16.7 | 64 | -0.08 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.372 | -5.9 | 58 | -0.08 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 63.854 | -59.6# | 89 | -0.13 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 83 | -0.09 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 31.210 | 22.0 | 61 | -0.09 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 35.426 | 11.4 | 76 | -0.09 |
| 89 C | Benzo(a)pyrene | 40.000 | 35.684 | 10.8 | 73 | -0.10 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 44.725 | -11.8 | 91 | -0.15 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 45.732 | -14.3 | 93 | -0.16 |

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