# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051716\
Data File : BF087118.D
Acq On : 17 May 2016 22:56
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 18 03:18:25 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 17 16:55:01 2016
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 | 75 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 38.477 | 3.8 | 72 | -0.03 |
| 3 | | Pyridine | 40.000 | 38.860 | 2.9 | 68 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.021 | 4.9 | 66 | -0.05 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.637 | 3.0 | 74 | -0.02 |
| 6 | | Aniline | 40.000 | 35.927 | 10.2 | 67 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 71.014 | 11.2 | 66 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 37.404 | 6.5 | 70 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 31.846 | 20.4 | 67 | -0.01 |
| 10 | C | Phenol | 40.000 | 35.967 | 10.1 | 65 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.837 | 2.9 | 82 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.663 | 8.3 | 67 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 36.758 | 8.1 | 69 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.804 | 0.5 | 81 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 37.240 | 6.9 | 67 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.035 | 2.4 | 77 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 35.594 | 11.0 | 66 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 36.775 | 8.1 | 68 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.129 | 7.2 | 67 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.158 | 4.6 | 69 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 75 | -0.01 |
| 22 | | Acetophenone | 40.000 | 38.890 | 2.8 | 72 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.871 | 2.7 | 76 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 33.674 | 15.8 | 60 | -0.02 |
| 25 | | Isophorone | 40.000 | 36.958 | 7.6 | 70 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.174 | -0.4 | 77 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.420 | 6.4 | 72 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.563 | 6.1 | 66 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.246 | 1.9 | 76 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.584 | 6.0 | 75 | -0.01 |
| 31 | | Naphthalene | 40.000 | 40.347 | -0.9 | 79 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 32.108 | 19.7 | 59 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 35.065 | 12.3 | 64 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.172 | 4.6 | 77 | -0.01 |
| 35 | | Caprolactam | 40.000 | 40.778 | -1.9 | 76 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 37.084 | 7.3 | 72 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.068 | 9.8 | 71 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 79 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.024 | -0.1 | 85 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 33.466 | 16.3 | 59 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 69.032 | 13.7 | 63 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 38.075 | 4.8 | 74 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 37.612 | 6.0 | 72 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 76.908 | 3.9 | 72 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.773 | 3.1 | 81 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.795 | 5.5 | 79 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 40.342 | -0.9 | 76 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 38.494 | 3.8 | 83 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 38.650 | 3.4 | 77 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.202 | 4.5 | 70 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 39.608 | 1.0 | 88 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 39.666 | 0.8 | 75 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 32.332 | 19.2 | 57 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 38.490 | 3.8 | 84 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.225 | 14.4 | 58 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 33.649 | 15.9 | 63 | -0.02 |
| 57 | | Fluorene | 40.000 | 42.047 | -5.1 | 92 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 36.639 | 8.4 | 70 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 36.155 | 9.6 | 67 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.344 | 6.6 | 68 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 41.795 | -4.5 | 71 | -0.02 |
| 62 | | Azobenzene | 40.000 | 35.079 | 12.3 | 67 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 77 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 36.653 | 8.4 | 65 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.022 | 9.9 | 66 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.581 | 1.0 | 83 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.227 | 4.4 | 69 | -0.02 |
| 68 | | Atrazine | 40.000 | 34.331 | 14.2 | 63 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 39.793 | 0.5 | 69 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 35.234 | 11.9 | 65 | -0.02 |
| 71 | | Anthracene | 40.000 | 41.332 | -3.3 | 89 | -0.01 |
| 72 | | Carbazole | 40.000 | 35.182 | 12.0 | 65 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.128 | 4.7 | 69 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 40.393 | -1.0 | 79 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 74 | -0.02 |
| 76 | | Benzidine | 40.000 | 23.613 | 41.0# | 50 | -0.02 |
| 77 | | Pyrene | 40.000 | 37.617 | 6.0 | 69 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 83.165 | -4.0 | 87 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.999 | -7.5 | 73 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.979 | 5.1 | 75 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.443 | -11.1 | 86 | -0.02 |
| 82 | | Chrysene | 40.000 | 40.539 | -1.3 | 77 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.257 | -13.1 | 83 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 44.928 | -12.3 | 86 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.034 | 4.9 | 71 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 77 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.198 | 2.0 | 88 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.111 | -0.3 | 66 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.557 | 6.1 | 72 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.070 | 4.8 | 73 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.545 | 6.1 | 70 | -0.03 |

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