# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084278.D
Acq On : 5 Jan 2016 11:01
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 05 12:26:53 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 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 | 71 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 40.457 | -1.1 | 69 | -0.03 |
| 3 | | Pyridine | 40.000 | 41.414 | -3.5 | 68 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.782 | 0.5 | 67 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.909 | -3.6 | 79 | 0.01 |
| 6 | | Aniline | 40.000 | 37.210 | 7.0 | 64 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 80.522 | -0.7 | 71 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.932 | -7.3 | 78 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.020 | 2.4 | 70 | -0.01 |
| 10 | C | Phenol | 40.000 | 37.804 | 5.5 | 62 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.307 | -0.8 | 75 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.406 | -1.0 | 74 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 43.254 | -8.1 | 74 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.622 | 5.9 | 72 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 35.822 | 10.4 | 61 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.393 | 9.0 | 67 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 40.958 | -2.4 | 68 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.598 | 1.0 | 68 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.095 | 9.8 | 66 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.001 | 7.5 | 70 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 72 | -0.01 |
| 22 | | Acetophenone | 40.000 | 41.120 | -2.8 | 69 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 72.697 | 9.1 | 67 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 44.240 | -10.6 | 72 | -0.01 |
| 25 | | Isophorone | 40.000 | 39.216 | 2.0 | 70 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.728 | -1.8 | 75 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.848 | 7.9 | 62 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.193 | 9.5 | 70 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.777 | -1.9 | 75 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.743 | -4.4 | 72 | -0.01 |
| 31 | | Naphthalene | 40.000 | 40.377 | -0.9 | 73 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 29.468 | 26.3# | 50 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 38.723 | 3.2 | 72 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.859 | 2.9 | 70 | -0.02 |
| 35 | | Caprolactam | 40.000 | 39.944 | 0.1 | 64 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.846 | 10.4 | 68 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.316 | 4.2 | 72 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 71 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.449 | -3.6 | 73 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 35.194 | 12.0 | 61 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 74.551 | 6.8 | 62 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 35.936 | 10.2 | 65 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.398 | -1.0 | 69 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 83.612 | -4.5 | 73 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 37.565 | 6.1 | 72 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 35.497 | 11.3 | 70 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 43.070 | -7.7 | 80 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 41.319 | -3.3 | 70 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 40.760 | -1.9 | 70 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.955 | 2.6 | 62 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 40.728 | -1.8 | 67 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 36.486 | 8.8 | 60 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 26.285 | 34.3# | 42 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 42.448 | -6.1 | 70 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 31.736 | 20.7 | 47 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.057 | 2.4 | 59 | -0.01 |
| 57 | | Fluorene | 40.000 | 40.325 | -0.8 | 68 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 35.533 | 11.2 | 60 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 40.665 | -1.7 | 71 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 44.762 | -11.9 | 74 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 36.362 | 9.1 | 66 | -0.01 |
| 62 | | Azobenzene | 40.000 | 39.184 | 2.0 | 68 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 67 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 29.008 | 27.5# | 51 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.855 | -2.1 | 67 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 44.798 | -12.0 | 70 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.467 | 3.8 | 67 | -0.01 |
| 68 | | Atrazine | 40.000 | 44.343 | -10.9 | 65 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 30.642 | 23.4# | 44 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 43.495 | -8.7 | 66 | -0.01 |
| 71 | | Anthracene | 40.000 | 39.651 | 0.9 | 68 | -0.01 |
| 72 | | Carbazole | 40.000 | 37.198 | 7.0 | 59 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 44.625 | -11.6 | 69 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 33.407 | 16.5 | 58 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 54 | -0.01 |
| 76 | | Benzidine | 40.000 | 32.315 | 19.2 | 43 | -0.01 |
| 77 | | Pyrene | 40.000 | 36.163 | 9.6 | 55 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 72.177 | 9.8 | 57 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.044 | 2.4 | 52 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 35.807 | 10.5 | 51 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.449 | -1.1 | 54 | -0.01 |
| 82 | | Chrysene | 40.000 | 33.887 | 15.3 | 46 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.075 | 9.8 | 51 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 35.119 | 12.2 | 45 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 52.277 | -30.7# | 72 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 69 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 37.054 | 7.4 | 62 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 35.070 | 12.3 | 61 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.892 | 0.3 | 66 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.465 | 1.3 | 72 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 38.069 | 4.8 | 71 | -0.01 |

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