# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011816\
Data File : BF084538.D
Acq On : 18 Jan 2016 14:54
Operator : SJ/UM
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 18 23:59:33 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 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 | 82 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 38.596 | 3.5 | 76 | -0.06 |
| 3 | | Pyridine | 40.000 | 42.965 | -7.4 | 81 | -0.08 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.245 | 4.4 | 74 | -0.07 |
| 5 | S | 2-Fluorophenol | 80.000 | 73.270 | 8.4 | 80 | -0.05 |
| 6 | | Aniline | 40.000 | 35.563 | 11.1 | 71 | -0.03 |
| 7 | S | Phenol-d6 | 80.000 | 75.481 | 5.6 | 77 | -0.03 |
| 8 | | 2-Chlorophenol | 40.000 | 38.558 | 3.6 | 81 | -0.05 |
| 9 | | Benzaldehyde | 40.000 | 34.757 | 13.1 | 72 | -0.05 |
| 10 | C | Phenol | 40.000 | 35.261 | 11.8 | 67 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.825 | 0.4 | 85 | -0.05 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.263 | -3.2 | 87 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.255 | 1.9 | 77 | -0.03 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.118 | 4.7 | 84 | -0.03 |
| 15 | | Benzyl Alcohol | 40.000 | 32.827 | 17.9 | 64 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.702 | 15.7 | 71 | -0.03 |
| 17 | | 2-Methylphenol | 40.000 | 39.992 | 0.0 | 77 | -0.03 |
| 18 | | Hexachloroethane | 40.000 | 40.498 | -1.2 | 80 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.530 | 11.2 | 75 | -0.03 |
| 20 | | 3+4-Methylphenols | 40.000 | 35.117 | 12.2 | 77 | -0.03 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 83 | -0.03 |
| 22 | | Acetophenone | 40.000 | 39.480 | 1.3 | 76 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 70.871 | 11.4 | 75 | -0.03 |
| 24 | | Nitrobenzene | 40.000 | 42.110 | -5.3 | 78 | -0.03 |
| 25 | | Isophorone | 40.000 | 37.224 | 6.9 | 77 | -0.03 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.916 | -2.3 | 86 | -0.05 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.123 | 9.7 | 70 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.464 | 3.8 | 86 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.908 | 0.2 | 84 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.849 | -2.1 | 81 | -0.03 |
| 31 | | Naphthalene | 40.000 | 40.800 | -2.0 | 85 | -0.03 |
| 32 | | Benzoic acid | 40.000 | 40.746 | -1.9 | 85 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.130 | 7.2 | 79 | -0.05 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.159 | 7.1 | 77 | -0.03 |
| 35 | | Caprolactam | 40.000 | 36.473 | 8.8 | 67 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.734 | 10.7 | 77 | -0.03 |
| 37 | | 2-Methylnaphthalene | 40.000 | 34.441 | 13.9 | 74 | -0.03 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 66 | -0.03 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 49.574 | -23.9 | 82 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 45.008 | -12.5 | 73 | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 77.830 | 2.7 | 61 | -0.05 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.976 | 0.1 | 68 | -0.03 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.018 | -2.5 | 66 | -0.03 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 80.033 | -0.0 | 65 | -0.03 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.868 | -2.2 | 73 | -0.03 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.230 | 1.9 | 72 | -0.03 |
| 47 | | 2-Nitroaniline | 40.000 | 46.748 | -16.9 | 81 | -0.03 |
| 48 | | Acenaphthylene | 40.000 | 37.356 | 6.6 | 59 | -0.03 |
| 49 | | Dimethylphthalate | 40.000 | 39.282 | 1.8 | 63 | -0.03 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 38.249 | 4.4 | 57 | -0.03 |
| 51 | C | Acenaphthene | 40.000 | 40.414 | -1.0 | 62 | -0.03 |
| 52 | | 3-Nitroaniline | 40.000 | 41.157 | -2.9 | 63 | -0.03 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 63.694 | -59.2# | 105 | -0.03 |
| 54 | | Dibenzofuran | 40.000 | 38.498 | 3.8 | 59 | -0.03 |
| 55 | P | 4-Nitrophenol | 40.000 | 44.568 | -11.4 | 62 | -0.03 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 37.678 | 5.8 | 53 | -0.03 |
| 57 | | Fluorene | 40.000 | 36.137 | 9.7 | 57 | -0.03 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.730 | -6.8 | 67 | -0.03 |
| 59 | | Diethylphthalate | 40.000 | 41.682 | -4.2 | 68 | -0.03 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 51.430 | -28.6# | 78 | -0.03 |
| 61 | | 4-Nitroaniline | 40.000 | 46.493 | -16.2 | 79 | -0.02 |
| 62 | | Azobenzene | 40.000 | 40.993 | -2.5 | 67 | -0.03 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 69 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 47.722 | -19.3 | 88 | -0.03 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.495 | 8.8 | 62 | -0.03 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.193 | 2.0 | 63 | -0.05 |
| 67 | | Hexachlorobenzene | 40.000 | 37.126 | 7.2 | 68 | -0.03 |
| 68 | | Atrazine | 40.000 | 43.875 | -9.7 | 67 | -0.03 |
| 69 | C | Pentachlorophenol | 40.000 | 40.210 | -0.5 | 61 | -0.03 |
| 70 | | Phenanthrene | 40.000 | 36.787 | 8.0 | 58 | -0.03 |
| 71 | | Anthracene | 40.000 | 45.157 | -12.9 | 81 | -0.03 |
| 72 | | Carbazole | 40.000 | 36.646 | 8.4 | 60 | -0.05 |
| 73 | | Di-n-butylphthalate | 40.000 | 45.653 | -14.1 | 73 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 47.020 | -17.6 | 84 | -0.03 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 66 | -0.03 |
| 76 | | Benzidine | 40.000 | 42.403 | -6.0 | 69 | -0.03 |
| 77 | | Pyrene | 40.000 | 45.130 | -12.8 | 84 | -0.03 |
| 78 | S | Terphenyl-d14 | 80.000 | 85.348 | -6.7 | 82 | -0.03 |
| 79 | | Butylbenzylphthalate | 40.000 | 40.303 | -0.8 | 65 | -0.05 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.323 | -3.3 | 72 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 48.372 | -20.9 | 79 | -0.03 |
| 82 | | Chrysene | 40.000 | 42.464 | -6.2 | 71 | -0.03 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.063 | 2.3 | 67 | -0.03 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 37.806 | 5.5 | 59 | -0.03 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 43.798 | -9.5 | 74 | -0.07 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 71 | -0.06 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.791 | -4.5 | 71 | -0.05 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 37.025 | 7.4 | 66 | -0.05 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.903 | -2.3 | 69 | -0.06 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.143 | -0.4 | 74 | -0.07 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.239 | -0.6 | 76 | -0.09 |

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