# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM080517\
Data File : BM011138.D
Acq On : 05 Aug 2017 12:41
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC040

Quant Time: Aug 06 01:15:54 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 26 17:29:06 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 | 58 | -0.08 |
| 2 | | 1,4-Dioxane | 40.000 | 38.026 | 4.9 | 58 | -0.09 |
| 3 | | Pyridine | 40.000 | 39.942 | 0.1 | 58 | -0.08 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.485 | -6.2 | 62 | -0.08 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.399 | 7.0 | 56 | -0.08 |
| 6 | | Aniline | 40.000 | 41.475 | -3.7 | 61 | -0.08 |
| 7 | S | Phenol-d6 | 80.000 | 77.865 | 2.7 | 57 | -0.08 |
| 8 | | 2-Chlorophenol | 40.000 | 38.133 | 4.7 | 57 | -0.08 |
| 9 | | Benzaldehyde | 40.000 | 36.231 | 9.4 | 55 | -0.08 |
| 10 | C | Phenol | 40.000 | 40.041 | -0.1 | 59 | -0.07 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.713 | 0.7 | 59 | -0.08 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.095 | 4.8 | 58 | -0.08 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.710 | 3.2 | 57 | -0.08 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.995 | 0.0 | 60 | -0.08 |
| 15 | | Benzyl Alcohol | 40.000 | 42.744 | -6.9 | 63 | -0.08 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 46.096 | -15.2 | 69 | -0.07 |
| 17 | | 2-Methylphenol | 40.000 | 41.877 | -4.7 | 62 | -0.08 |
| 18 | | Hexachloroethane | 40.000 | 41.780 | -4.5 | 62 | -0.08 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 50.540 | -26.3# | 74 | -0.08 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.770 | -1.9 | 60 | -0.08 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 67 | -0.08 |
| 22 | | Acetophenone | 40.000 | 36.081 | 9.8 | 63 | -0.08 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 76.696 | 4.1 | 66 | -0.08 |
| 24 | | Nitrobenzene | 40.000 | 38.004 | 5.0 | 66 | -0.08 |
| 25 | | Isophorone | 40.000 | 44.434 | -11.1 | 78 | -0.08 |
| 26 | C | 2-Nitrophenol | 40.000 | 35.329 | 11.7 | 60 | -0.08 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.608 | 8.5 | 63 | -0.08 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.869 | 5.3 | 66 | -0.07 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 36.561 | 8.6 | 63 | -0.08 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.354 | 9.1 | 64 | -0.08 |
| 31 | | Naphthalene | 40.000 | 37.889 | 5.3 | 66 | -0.08 |
| 32 | | Benzoic acid | 40.000 | 37.097 | 7.3 | 64 | -0.08 |
| 33 | | 4-Chloroaniline | 40.000 | 29.917 | 25.2# | 52 | -0.07 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.465 | -1.2 | 70 | -0.08 |
| 35 | | Caprolactam | 40.000 | 46.081 | -15.2 | 84 | -0.07 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 44.042 | -10.1 | 77 | -0.07 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.156 | 2.1 | 68 | -0.08 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 85 | -0.07 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 34.805 | 13.0 | 76 | -0.08 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 15.168 | 62.1# | 32 | -0.08 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 86.374 | -8.0 | 95 | -0.06 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 37.617 | 6.0 | 79 | -0.07 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 35.962 | 10.1 | 77 | -0.07 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 71.968 | 10.0 | 78 | -0.07 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 36.073 | 9.8 | 79 | -0.07 |
| 46 | | 2-Chloronaphthalene | 40.000 | 35.527 | 11.2 | 77 | -0.07 |
| 47 | | 2-Nitroaniline | 40.000 | 39.228 | 1.9 | 83 | -0.07 |
| 48 | | Acenaphthylene | 40.000 | 37.864 | 5.3 | 82 | -0.07 |
| 49 | | Dimethylphthalate | 40.000 | 39.118 | 2.2 | 87 | -0.06 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.965 | -2.4 | 88 | -0.06 |
| 51 | C | Acenaphthene | 40.000 | 38.289 | 4.3 | 84 | -0.07 |
| 52 | | 3-Nitroaniline | 40.000 | 32.556 | 18.6 | 71 | -0.07 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 39.261 | 1.8 | 87 | -0.06 |
| 54 | | Dibenzofuran | 40.000 | 38.869 | 2.8 | 85 | -0.07 |
| 55 | P | 4-Nitrophenol | 40.000 | 25.911 | 35.2# | 56 | -0.06 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 42.188 | -5.5 | 91 | -0.06 |
| 57 | | Fluorene | 40.000 | 41.131 | -2.8 | 92 | -0.06 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.995 | -5.0 | 93 | -0.06 |
| 59 | | Diethylphthalate | 40.000 | 43.234 | -8.1 | 96 | -0.06 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.351 | -0.9 | 90 | -0.06 |
| 61 | | 4-Nitroaniline | 40.000 | 16.851 | 57.9# | 38 | -0.06 |
| 62 | | Azobenzene | 40.000 | 46.084 | -15.2 | 101 | -0.06 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 104 | -0.07 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.232 | 4.4 | 98 | -0.06 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 34.484 | 13.8 | 92 | -0.06 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 36.585 | 8.5 | 97 | -0.06 |
| 67 | | Hexachlorobenzene | 40.000 | 36.392 | 9.0 | 95 | -0.06 |
| 68 | | Atrazine | 40.000 | 37.217 | 7.0 | 95 | -0.06 |
| 69 | C | Pentachlorophenol | 40.000 | 38.219 | 4.5 | 97 | -0.06 |
| 70 | | Phenanthrene | 40.000 | 38.187 | 4.5 | 100 | -0.06 |
| 71 | | Anthracene | 40.000 | 37.736 | 5.7 | 99 | -0.06 |
| 72 | | Carbazole | 40.000 | 31.249 | 21.9 | 83 | -0.06 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.955 | -2.4 | 106 | -0.06 |
| 74 | C | Fluoranthene | 40.000 | 42.068 | -5.2 | 112 | -0.06 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 122 | -0.06 |
| 76 | | Benzidine | 40.000 | 5.362 | 86.6# | 16 | -0.05 |
| 77 | | Pyrene | 40.000 | 37.602 | 6.0 | 116 | -0.06 |
| 78 | S | Terphenyl-d14 | 80.000 | 70.799 | 11.5 | 107 | -0.06 |
| 79 | | Butylbenzylphthalate | 40.000 | 40.416 | -1.0 | 120 | -0.06 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.891 | 5.3 | 117 | -0.06 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 29.447 | 26.4# | 88 | -0.06 |
| 82 | | Chrysene | 40.000 | 37.505 | 6.2 | 118 | -0.06 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.356 | -0.9 | 122 | -0.06 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.820 | -4.6 | 125 | -0.06 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.612 | 6.0 | 119 | -0.13 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 128 | -0.09 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 37.651 | 5.9 | 121 | -0.07 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 37.783 | 5.5 | 124 | -0.08 |
| 89 C | Benzo(a)pyrene | 40.000 | 37.835 | 5.4 | 122 | -0.08 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 33.950 | 15.1 | 113 | -0.12 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 36.842 | 7.9 | 121 | -0.14 |

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