# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM051117\
Data File : BM010019.D
Acq On : 12 May 2017 11:53
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 12 14:02:22 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 11 19:50:16 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 | 115 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 38.539 | 3.7 | 107 | 0.00 |
| 3 | | Pyridine | 40.000 | 40.530 | -1.3 | 111 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 43.358 | -8.4 | 118 | -0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.125 | -5.2 | 117 | -0.02 |
| 6 | | Aniline | 40.000 | 42.923 | -7.3 | 119 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 84.379 | -5.5 | 116 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 42.414 | -6.0 | 116 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 43.880 | -9.7 | 119 | -0.02 |
| 10 | C | Phenol | 40.000 | 41.315 | -3.3 | 114 | -0.03 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.346 | -3.4 | 114 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 42.199 | -5.5 | 118 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.251 | -3.1 | 115 | -0.03 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.353 | -5.9 | 118 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 45.358 | -13.4 | 122 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.778 | -9.4 | 119 | -0.04 |
| 17 | | 2-Methylphenol | 40.000 | 44.123 | -10.3 | 120 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 46.542 | -16.4 | 122 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 45.116 | -12.8 | 122 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.582 | -9.0 | 118 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 115 | -0.03 |
| 22 | | Acetophenone | 40.000 | 41.077 | -2.7 | 118 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 87.264 | -9.1 | 123 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 42.430 | -6.1 | 123 | -0.02 |
| 25 | | Isophorone | 40.000 | 43.011 | -7.5 | 121 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.510 | -11.3 | 125 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.827 | -2.1 | 113 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.432 | -3.6 | 117 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.232 | -5.6 | 122 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.889 | 0.3 | 114 | -0.03 |
| 31 | | Naphthalene | 40.000 | 40.676 | -1.7 | 117 | -0.03 |
| 32 | | Benzoic acid | 40.000 | 41.026 | -2.6 | 118 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 41.498 | -3.7 | 116 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.226 | 1.9 | 110 | -0.03 |
| 35 | | Caprolactam | 40.000 | 39.417 | 1.5 | 114 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.675 | -6.7 | 120 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.633 | -1.6 | 118 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 119 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.929 | 5.2 | 112 | -0.03 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 42.418 | -6.0 | 140 | -0.03 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 80.390 | -0.5 | 111 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.579 | -1.4 | 119 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.610 | 1.0 | 114 | -0.03 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 78.691 | 1.6 | 115 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.517 | -1.3 | 119 | -0.03 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.207 | -0.5 | 116 | -0.03 |
| 47 | | 2-Nitroaniline | 40.000 | 45.748 | -14.4 | 125 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 40.596 | -1.5 | 115 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 41.153 | -2.9 | 120 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.613 | -1.5 | 115 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 39.528 | 1.2 | 116 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 41.569 | -3.9 | 115 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 35.496 | 11.3 | 105 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 39.611 | 1.0 | 116 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 37.092 | 7.3 | 106 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.583 | 1.0 | 117 | -0.02 |
| 57 | | Fluorene | 40.000 | 40.085 | -0.2 | 115 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 36.081 | 9.8 | 104 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 42.386 | -6.0 | 123 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.090 | 2.3 | 113 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 40.774 | -1.9 | 114 | -0.01 |
| 62 | | Azobenzene | 40.000 | 43.608 | -9.0 | 123 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 111 | -0.03 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 36.931 | 7.7 | 105 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.461 | -3.7 | 115 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.074 | -2.7 | 112 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 40.106 | -0.3 | 111 | -0.03 |
| 68 | | Atrazine | 40.000 | 42.609 | -6.5 | 111 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 37.494 | 6.3 | 111 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 40.390 | -1.0 | 113 | -0.02 |
| 71 | | Anthracene | 40.000 | 40.609 | -1.5 | 113 | -0.02 |
| 72 | | Carbazole | 40.000 | 40.659 | -1.6 | 112 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 45.082 | -12.7 | 122 | -0.03 |
| 74 | C | Fluoranthene | 40.000 | 39.351 | 1.6 | 108 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 98 | -0.02 |
| 76 | | Benzidine | 40.000 | 39.090 | 2.3 | 86 | -0.02 |
| 77 | | Pyrene | 40.000 | 43.653 | -9.1 | 106 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 90.788 | -13.5 | 112 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 48.142 | -20.4 | 116 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.887 | -2.2 | 100 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.534 | 3.7 | 90 | -0.02 |
| 82 | | Chrysene | 40.000 | 40.693 | -1.7 | 99 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 48.218 | -20.5 | 116 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 45.649 | -14.1 | 109 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 33.032 | 17.4 | 76 | -0.07 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 75 | -0.04 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 44.780 | -12.0 | 87 | -0.04 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 45.732 | -14.3 | 84 | -0.04 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.280 | -3.2 | 77 | -0.04 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.108 | -0.3 | 75 | -0.06 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.725 | -4.3 | 78 | -0.08 |

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