# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM081717\
Data File : BM011286.D
Acq On : 18 Aug 2017 03:48
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 18 10:41:14 2017
Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 16 02:25:04 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 | 36 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 51.226 | -28.1# | 47 | -0.01 |
| 3 | | Pyridine | 40.000 | 48.301 | -20.8 | 43 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 62.141 | -55.4# | 55 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 87.405 | -9.3 | 40 | -0.02 |
| 6 | | Aniline | 40.000 | 47.508 | -18.8 | 43 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 94.787 | -18.5 | 42 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 43.185 | -8.0 | 39 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 46.706 | -16.8 | 43 | -0.02 |
| 10 | C | Phenol | 40.000 | 48.265 | -20.7# | 43 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 45.307 | -13.3 | 41 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 43.404 | -8.5 | 40 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.849 | -7.1 | 38 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 43.761 | -9.4 | 40 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 51.799 | -29.5# | 47 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 53.320 | -33.3# | 49 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 45.039 | -12.6 | 40 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 48.568 | -21.4 | 44 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 57.567 | -43.9# | 52 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 45.882 | -14.7 | 41 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 36 | -0.02 |
| 22 | | Acetophenone | 40.000 | 45.418 | -13.5 | 42 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 108.298 | -35.4# | 49 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 55.274 | -38.2# | 50 | -0.02 |
| 25 | | Isophorone | 40.000 | 53.079 | -32.7# | 49 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.573 | -8.9 | 39 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 44.060 | -10.2 | 40 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 48.565 | -21.4 | 44 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 45.042 | -12.6 | 41 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 45.769 | -14.4 | 42 | -0.02 |
| 31 | | Naphthalene | 40.000 | 44.065 | -10.2 | 41 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 40.684 | -1.7 | 37 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 41.981 | -5.0 | 38 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 49.786 | -24.5# | 45 | -0.02 |
| 35 | | Caprolactam | 40.000 | 47.154 | -17.9 | 45 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 50.940 | -27.3# | 47 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 45.499 | -13.7 | 41 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 43 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.433 | -8.6 | 47 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 40.290 | -0.7 | 43 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 91.193 | -14.0 | 50 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.883 | -9.7 | 46 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.975 | -7.4 | 46 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 83.385 | -4.2 | 45 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.336 | -3.3 | 45 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 42.148 | -5.4 | 46 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 57.041 | -42.6# | 61 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 42.536 | -6.3 | 46 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 43.232 | -8.1 | 48 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 45.242 | -13.1 | 49 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 43.511 | -8.8 | 48 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 42.546 | -6.4 | 47 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 46.253 | -15.6 | 51 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 44.550 | -11.4 | 49 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 33.507 | 16.2 | 37 | -0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 46.344 | -15.9 | 50 | -0.02 |
| 57 | | Fluorene | 40.000 | 45.689 | -14.2 | 51 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 47.102 | -17.8 | 52 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 45.523 | -13.8 | 51 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 46.982 | -17.5 | 53 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 36.987 | 7.5 | 41 | -0.02 |
| 62 | | Azobenzene | 40.000 | 57.701 | -44.3# | 64 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 51 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.237 | -8.1 | 54 | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.011 | -2.5 | 54 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.348 | -0.9 | 53 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 40.793 | -2.0 | 52 | -0.02 |
| 68 | | Atrazine | 40.000 | 39.947 | 0.1 | 50 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 41.077 | -2.7 | 51 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 42.826 | -7.1 | 55 | -0.01 |
| 71 | | Anthracene | 40.000 | 43.792 | -9.5 | 56 | -0.02 |
| 72 | | Carbazole | 40.000 | 44.292 | -10.7 | 58 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 43.193 | -8.0 | 55 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 47.209 | -18.0 | 61 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 63 | -0.02 |
| 76 | | Benzidine | 40.000 | 18.996 | 52.5# | 29 | -0.02 |
| 77 | | Pyrene | 40.000 | 39.899 | 0.3 | 64 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 80.816 | -1.0 | 63 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 39.580 | 1.1 | 61 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 43.028 | -7.6 | 69 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.767 | -1.9 | 63 | -0.02 |
| 82 | | Chrysene | 40.000 | 42.442 | -6.1 | 69 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.937 | 0.2 | 62 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.431 | -3.6 | 64 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.568 | -6.4 | 70 | -0.04 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 65 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.929 | -4.8 | 68 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 44.361 | -10.9 | 74 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 43.655 | -9.1 | 72 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.991 | -5.0 | 71 | -0.04 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.383 | -6.0 | 71 | -0.04 |

(#) = Out of Range SPCC's out = 0 CCC's out = 3