# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_M\Data\BM081917\
Data File : BM011310.D
Acq On : 19 Aug 2017 10:12
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 21 01:49:57 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 | 62 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 40.962 | -2.4 | 66 | -0.02 |
| 3 | | Pyridine | 40.000 | 43.174 | -7.9 | 67 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.856 | -12.1 | 70 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.061 | -5.1 | 67 | -0.02 |
| 6 | | Aniline | 40.000 | 44.352 | -10.9 | 70 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 91.861 | -14.8 | 71 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 41.703 | -4.3 | 66 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 41.880 | -4.7 | 68 | -0.02 |
| 10 | C | Phenol | 40.000 | 46.016 | -15.0 | 72 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 43.654 | -9.1 | 69 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.163 | -0.4 | 65 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.330 | -3.3 | 65 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.100 | -0.3 | 64 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 44.422 | -11.1 | 70 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 50.424 | -26.1# | 80 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 43.199 | -8.0 | 68 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 40.732 | -1.8 | 65 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 49.891 | -24.7 | 78 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.855 | -9.6 | 69 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 56 | -0.02 |
| 22 | | Acetophenone | 40.000 | 45.475 | -13.7 | 66 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 103.440 | -29.3# | 74 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 51.607 | -29.0# | 75 | -0.02 |
| 25 | | Isophorone | 40.000 | 51.904 | -29.8# | 76 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.768 | -6.9 | 60 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 44.382 | -11.0 | 64 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 46.933 | -17.3 | 68 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.024 | -7.6 | 62 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 43.493 | -8.7 | 64 | -0.02 |
| 31 | | Naphthalene | 40.000 | 42.371 | -5.9 | 62 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 40.975 | -2.4 | 59 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 40.697 | -1.7 | 59 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.904 | -9.8 | 63 | -0.02 |
| 35 | | Caprolactam | 40.000 | 45.886 | -14.7 | 70 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 46.795 | -17.0 | 68 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.961 | -4.9 | 61 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 60 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.202 | -5.5 | 65 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 37.151 | 7.1 | 55 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 79.874 | 0.2 | 62 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 42.030 | -5.1 | 62 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.115 | -5.3 | 63 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 82.186 | -2.7 | 62 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.177 | -0.4 | 62 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.683 | -1.7 | 62 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 51.763 | -29.4# | 77 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 41.742 | -4.4 | 64 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 41.177 | -2.9 | 65 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.431 | -6.1 | 64 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 40.741 | -1.9 | 63 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 41.572 | -3.9 | 64 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 42.200 | -5.5 | 66 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 40.751 | -1.9 | 63 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.447 | 13.9 | 53 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.663 | -9.2 | 66 | -0.02 |
| 57 | | Fluorene | 40.000 | 41.176 | -2.9 | 64 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.813 | -4.5 | 65 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 41.753 | -4.4 | 65 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.159 | -0.4 | 63 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 32.367 | 19.1 | 51 | -0.02 |
| 62 | | Azobenzene | 40.000 | 48.385 | -21.0 | 75 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 60 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 45.873 | -14.7 | 68 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.211 | -5.5 | 65 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.954 | -4.9 | 65 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 41.095 | -2.7 | 62 | -0.02 |
| 68 | | Atrazine | 40.000 | 40.597 | -1.5 | 60 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 42.386 | -6.0 | 63 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 42.636 | -6.6 | 65 | -0.02 |
| 71 | | Anthracene | 40.000 | 42.787 | -7.0 | 65 | -0.02 |
| 72 | | Carbazole | 40.000 | 42.946 | -7.4 | 66 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 42.164 | -5.4 | 63 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 44.192 | -10.5 | 68 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 60 | -0.02 |
| 76 | | Benzidine | 40.000 | 30.637 | 23.4 | 45 | -0.02 |
| 77 | | Pyrene | 40.000 | 44.465 | -11.2 | 68 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 89.147 | -11.4 | 66 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.028 | -10.1 | 64 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 42.385 | -6.0 | 65 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 43.115 | -7.8 | 64 | -0.02 |
| 82 | | Chrysene | 40.000 | 41.541 | -3.9 | 64 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.842 | -4.6 | 62 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.923 | -4.8 | 62 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.195 | -13.0 | 71 | -0.04 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 64 | -0.03 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 38.784 | 3.0 | 62 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.014 | -0.0 | 66 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.604 | -1.5 | 66 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 42.394 | -6.0 | 71 | -0.04 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.295 | -5.7 | 70 | -0.04 |

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