# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA M\Data\BM072817\
Data File : BM011032.D
Acq On : 28 Jul 2017 09:00
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 28 14:55:13 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 | 75 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.683 | 8.3 | 71 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.954 | 7.6 | 69 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 42.421 | -6.1 | 79 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 75.640 | 5.4 | 72 | 0.00 |
| 6 | | Aniline | 40.000 | 39.609 | 1.0 | 75 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.878 | 1.4 | 73 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.818 | 3.0 | 74 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 29.296 | 26.8# | 57 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.817 | 3.0 | 73 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.153 | 4.6 | 72 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.735 | 3.2 | 75 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.347 | 4.1 | 72 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.890 | 2.8 | 74 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 37.202 | 7.0 | 70 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.239 | -3.1 | 79 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.341 | -0.9 | 76 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 40.412 | -1.0 | 77 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 43.404 | -8.5 | 82 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.435 | -3.6 | 78 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 79 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.611 | 6.0 | 77 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 80.576 | -0.7 | 81 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.929 | 0.2 | 81 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.781 | -2.0 | 84 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.072 | 2.3 | 77 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.483 | 3.8 | 78 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.925 | 2.7 | 79 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.214 | 2.0 | 79 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.659 | 3.4 | 80 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.065 | 2.3 | 80 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.396 | 4.0 | 78 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.487 | 1.3 | 80 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.516 | 1.2 | 80 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.774 | 0.6 | 85 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 42.413 | -6.0 | 87 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.500 | -3.8 | 84 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.462 | 3.8 | 87 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 38.848 | 2.9 | 85 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 82.674 | -3.3 | 94 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.525 | 1.2 | 86 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.718 | 0.7 | 88 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 78.008 | 2.5 | 87 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.250 | 1.9 | 89 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.577 | 3.6 | 87 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 42.974 | -7.4 | 94 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.276 | -0.7 | 91 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 39.323 | 1.7 | 91 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.383 | -1.0 | 89 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 40.203 | -0.5 | 91 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 40.963 | -2.4 | 92 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 40.458 | -1.1 | 93 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.655 | -1.6 | 92 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 37.207 | 7.0 | 84 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.002 | -2.5 | 91 | 0.00 |
| 57 | | Fluorene | 40.000 | 41.282 | -3.2 | 95 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.664 | -1.7 | 93 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 41.150 | -2.9 | 94 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.811 | -2.0 | 95 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 35.516 | 11.2 | 82 | 0.00 |
| 62 | | Azobenzene | 40.000 | 43.447 | -8.6 | 99 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.633 | -1.6 | 95 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.992 | 2.5 | 95 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.054 | -2.6 | 99 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 39.025 | 2.4 | 93 | 0.00 |
| 68 | | Atrazine | 40.000 | 36.637 | 8.4 | 85 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 39.841 | 0.4 | 92 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.984 | 0.0 | 96 | 0.00 |
| 71 | | Anthracene | 40.000 | 39.902 | 0.2 | 95 | 0.00 |
| 72 | | Carbazole | 40.000 | 38.818 | 3.0 | 94 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.332 | 1.7 | 93 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 38.693 | 3.3 | 93 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 88 | 0.00 |
| 76 | | Benzidine | 40.000 | 21.987 | 45.0# | 47 | 0.00 |
| 77 | | Pyrene | 40.000 | 42.652 | -6.6 | 95 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 86.446 | -8.1 | 95 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.350 | -3.4 | 88 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.348 | -0.9 | 90 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.982 | 2.5 | 85 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.476 | 1.3 | 89 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.358 | -0.9 | 88 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 39.978 | 0.1 | 87 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.535 | 1.2 | 91 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 38.855 | 2.9 | 87 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.348 | -0.9 | 92 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.588 | 1.0 | 89 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.555 | 1.1 | 91 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.819 | 0.5 | 91 | 0.00 |

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