# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA M\Data\BM070918\
Data File : BM015858.D
Acq On : 10 Jul 2018 01:02
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 10 03:33:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM070518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 05 17:39:50 2018
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 | 92 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 36.464 | 8.8 | 86 | -0.01 |
| 3 | | Pyridine | 40.000 | 36.573 | 8.6 | 82 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 40.561 | -1.4 | 95 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.031 | 3.7 | 88 | -0.02 |
| 6 | | Aniline | 40.000 | 39.337 | 1.7 | 89 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 78.956 | 1.3 | 89 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 39.572 | 1.1 | 90 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 39.544 | 1.1 | 91 | -0.02 |
| 10 | C | Phenol | 40.000 | 39.102 | 2.2 | 88 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.846 | 2.9 | 89 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.032 | 2.4 | 91 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.665 | 3.3 | 91 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.373 | 1.6 | 92 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 40.088 | -0.2 | 91 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 47.091 | -17.7 | 107 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.084 | -0.2 | 92 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 40.716 | -1.8 | 93 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.555 | -3.9 | 93 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.141 | -2.9 | 91 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 95 | -0.02 |
| 22 | | Acetophenone | 40.000 | 38.937 | 2.7 | 94 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.702 | 1.6 | 94 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 38.750 | 3.1 | 94 | -0.01 |
| 25 | | Isophorone | 40.000 | 39.977 | 0.1 | 95 | -0.01 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.700 | 3.2 | 94 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.493 | 3.8 | 93 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.915 | 2.7 | 94 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.436 | -1.1 | 96 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.002 | 2.5 | 96 | -0.02 |
| 31 | | Naphthalene | 40.000 | 38.653 | 3.4 | 94 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 32.446 | 18.9 | 77 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.980 | 0.1 | 95 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.671 | 0.8 | 98 | -0.01 |
| 35 | | Caprolactam | 40.000 | 40.109 | -0.3 | 95 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.836 | -2.1 | 96 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.886 | 0.3 | 97 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 100 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.571 | 3.6 | 98 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 36.070 | 9.8 | 96 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 82.147 | -2.7 | 101 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.671 | 0.8 | 97 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 39.056 | 2.4 | 97 | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 77.626 | 3.0 | 100 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 38.522 | 3.7 | 99 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 38.530 | 3.7 | 98 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 39.203 | 2.0 | 98 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 39.315 | 1.7 | 99 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 39.326 | 1.7 | 101 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.066 | -0.2 | 100 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 38.879 | 2.8 | 100 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 38.383 | 4.0 | 97 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 34.615 | 13.5 | 90 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 39.249 | 1.9 | 101 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 36.211 | 9.5 | 90 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.750 | 0.6 | 102 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.917 | 0.2 | 103 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.785 | 0.5 | 100 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 40.314 | -0.8 | 103 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 39.639 | 0.9 | 102 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 35.107 | 12.2 | 86 | -0.01 |
| 62 | | Azobenzene | 40.000 | 41.561 | -3.9 | 103 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 102 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 37.538 | 6.2 | 98 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 38.504 | 3.7 | 100 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.149 | 2.1 | 102 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.947 | 2.6 | 102 | -0.01 |
| 68 | | Atrazine | 40.000 | 38.606 | 3.5 | 98 | -0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 37.142 | 7.1 | 96 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 38.460 | 3.8 | 101 | -0.01 |
| 71 | | Anthracene | 40.000 | 39.174 | 2.1 | 101 | -0.01 |
| 72 | | Carbazole | 40.000 | 38.477 | 3.8 | 100 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.542 | -1.4 | 104 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 38.186 | 4.5 | 100 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 91 | -0.01 |
| 76 | | Benzidine | 40.000 | 31.161 | 22.1 | 89 | -0.01 |
| 77 | | Pyrene | 40.000 | 41.920 | -4.8 | 99 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 85.057 | -6.3 | 102 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.971 | -7.4 | 99 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.943 | 2.6 | 92 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 37.874 | 5.3 | 87 | -0.01 |
| 82 | | Chrysene | 40.000 | 37.866 | 5.3 | 91 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.007 | -5.0 | 97 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.189 | -0.5 | 91 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 32.911 | 17.7 | 74 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 79 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.098 | -0.2 | 83 | -0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.501 | 1.2 | 80 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.042 | 2.4 | 79 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 38.055 | 4.9 | 75 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.848 | 5.4 | 75 | -0.03 |

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