# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA F\Data\BF110517\
Data File : BF100239.D
Acq On : 5 Nov 2017 22:07
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Nov 06 10:50:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 03 15:46:10 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 | 93 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.618 | 6.0 | 87 | -0.04 |
| 3 | | Pyridine | 40.000 | 36.801 | 8.0 | 79 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.143 | 12.1 | 75 | -0.04 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.326 | -2.9 | 93 | 0.00 |
| 6 | | Aniline | 40.000 | 37.135 | 7.2 | 85 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.968 | 2.5 | 90 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.844 | 0.4 | 90 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.935 | 10.2 | 82 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.572 | 6.1 | 85 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.671 | 0.8 | 89 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.831 | 2.9 | 90 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.537 | 1.2 | 91 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.443 | 1.4 | 91 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.328 | 1.7 | 92 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.149 | 7.1 | 85 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 38.724 | 3.2 | 89 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 26.256 | 34.4# | 61 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.349 | 4.1 | 90 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.194 | -8.0 | 102 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 89 | 0.00 |
| 22 | | Acetophenone | 40.000 | 41.042 | -2.6 | 93 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.979 | 5.0 | 85 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 38.894 | 2.8 | 84 | -0.01 |
| 25 | | Isophorone | 40.000 | 36.910 | 7.7 | 81 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.007 | 2.5 | 82 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.092 | -0.2 | 88 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.370 | 4.1 | 86 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.791 | 3.0 | 85 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.926 | 5.2 | 83 | -0.01 |
| 31 | | Naphthalene | 40.000 | 37.567 | 6.1 | 83 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 33.757 | 15.6 | 76 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 38.082 | 4.8 | 83 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.486 | 3.8 | 86 | -0.01 |
| 35 | | Caprolactam | 40.000 | 35.042 | 12.4 | 76 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.253 | 11.9 | 78 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.269 | 9.3 | 82 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 74 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.933 | -7.3 | 79 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 0.000 | 100.0# | 0 | -8.91# |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 68.860 | 13.9 | 63 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 42.631 | -6.6 | 79 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 36.677 | 8.3 | 65 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 84.960 | -6.2 | 77 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 41.175 | -2.9 | 77 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.602 | -1.5 | 75 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 38.396 | 4.0 | 69 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.350 | 4.1 | 71 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 39.026 | 2.4 | 72 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 36.990 | 7.5 | 66 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 37.920 | 5.2 | 71 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 37.417 | 6.5 | 68 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 11.703 | 70.7# | 13 | 0.02 |
| 54 | | Dibenzofuran | 40.000 | 38.801 | 3.0 | 73 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 9.651 | 75.9# | 17 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 38.183 | 4.5 | 70 | -0.01 |
| 57 | | Fluorene | 40.000 | 35.817 | 10.5 | 67 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.691 | 5.8 | 68 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 36.824 | 7.9 | 68 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 36.991 | 7.5 | 69 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 35.150 | 12.1 | 63 | -0.01 |
| 62 | | Azobenzene | 40.000 | 33.526 | 16.2 | 61 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 61 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 10.357 | 74.1# | 15 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.010 | -5.0 | 65 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.721 | -1.8 | 63 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.755 | 3.1 | 59 | -0.01 |
| 68 | | Atrazine | 40.000 | 37.075 | 7.3 | 55 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 64.751 | -61.9# | 99 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 37.720 | 5.7 | 58 | -0.01 |
| 71 | | Anthracene | 40.000 | 38.758 | 3.1 | 60 | -0.01 |
| 72 | | Carbazole | 40.000 | 38.558 | 3.6 | 59 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 37.414 | 6.5 | 57 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 39.702 | 0.7 | 61 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 77 | -0.01 |
| 76 | | Benzidine | 40.000 | 29.487 | 26.3# | 58 | -0.01 |
| 77 | | Pyrene | 40.000 | 32.496 | 18.8 | 62 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 64.357 | 19.6 | 63 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 30.892 | 22.8 | 58 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 36.232 | 9.4 | 69 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 37.768 | 5.6 | 71 | -0.01 |
| 82 | | Chrysene | 40.000 | 36.557 | 8.6 | 70 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 29.544 | 26.1# | 58 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 34.667 | 13.3 | 65 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 29.546 | 26.1# | 60 | -0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 74 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.215 | 9.5 | 70 | -0.01 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.617 | -4.0 | 73 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 36.712 | 8.2 | 67 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 31.825 | 20.4 | 60 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 29.949 | 25.1# | 57 | -0.02 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1