# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF101818\
Data File : BF109992.D
Acq On : 19 Oct 2018 6:57
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 19 11:31:33 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 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 | 70 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.954 | 2.6 | 68 | -0.02 |
| 3 | | Pyridine | 40.000 | 39.188 | 2.0 | 68 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.622 | 0.9 | 68 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.779 | -2.2 | 73 | 0.00 |
| 6 | | Aniline | 40.000 | 36.972 | 7.6 | 64 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.748 | 4.1 | 68 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.284 | 1.8 | 68 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 38.084 | 4.8 | 67 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.576 | 3.6 | 68 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.956 | 5.1 | 67 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.414 | 1.5 | 69 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.127 | 2.2 | 69 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.945 | 2.6 | 68 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.389 | 6.5 | 65 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.414 | 9.0 | 64 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.621 | 5.9 | 66 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 31.745 | 20.6 | 55 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.101 | 9.7 | 64 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.387 | 6.5 | 65 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 63 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.681 | -1.7 | 65 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 94.028 | -17.5 | 71 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 44.427 | -11.1 | 67 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.672 | 3.3 | 61 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 48.290 | -20.7# | 73 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.756 | 0.6 | 62 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.444 | 1.4 | 62 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.615 | 1.0 | 62 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.695 | -1.7 | 63 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.213 | 2.0 | 62 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.552 | -3.9 | 62 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 37.893 | 5.3 | 60 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.618 | -6.5 | 67 | 0.00 |
| 35 | | Caprolactam | 40.000 | 35.878 | 10.3 | 56 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 36.682 | 8.3 | 57 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 37.494 | 6.3 | 59 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 36.834 | 7.9 | 59 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 53 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.647 | -9.1 | 59 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 7.156 | 82.1# | 9 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.921 | -3.7 | 52 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 43.832 | -9.6 | 57 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 42.609 | -6.5 | 54 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 91.546 | -14.4 | 64 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 42.992 | -7.5 | 58 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.944 | -4.9 | 57 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 50.802 | -27.0# | 65 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.142 | -0.4 | 53 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 43.279 | -8.2 | 58 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 45.431 | -13.6 | 57 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.685 | 3.3 | 52 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 48.303 | -20.8 | 61 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 15.603 | 61.0# | 12 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 39.373 | 1.6 | 54 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 40.293 | -0.7 | 52 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 42.989 | -7.5 | 58 | 0.00 |
| 58 | | Fluorene | 40.000 | 38.417 | 4.0 | 52 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.494 | -1.2 | 51 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.887 | -2.2 | 55 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.313 | -0.8 | 54 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 48.431 | -21.1 | 61 | 0.00 |
| 63 | | Azobenzene | 40.000 | 36.301 | 9.2 | 49 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 50 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 16.541 | 58.6# | 14 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.986 | -2.5 | 51 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 40.775 | -1.9 | 50 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 39.299 | 1.8 | 50 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.175 | 2.1 | 48 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.943 | -4.9 | 48 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.900 | 0.3 | 50 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.806 | 0.5 | 50 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.869 | 0.3 | 50 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.375 | -5.9 | 53 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 41.633 | -4.1 | 53 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 57 | 0.00 |
| 77 | | Benzidine | 40.000 | 47.711 | -19.3 | 65 | 0.00 |
| 78 | | Pyrene | 40.000 | 38.333 | 4.2 | 54 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 80.584 | -0.7 | 58 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.881 | -9.7 | 60 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.364 | 1.6 | 57 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 47.112 | -17.8 | 65 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.430 | 1.4 | 57 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 46.476 | -16.2 | 65 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 52.986 | -32.5# | 74 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.948 | 5.1 | 57 | -0.01 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 59 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.777 | -1.9 | 58 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 40.399 | -1.0 | 61 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.258 | -0.6 | 59 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 40.102 | -0.3 | 58 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 37.595 | 6.0 | 54 | -0.01 |

(#) = Out of Range SPCC's out = 0 CCC's out = 2