# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112018\
Data File : BF110911.D
Acq On : 20 Nov 2018 23:52
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 21 05:58:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 13 12:43:10 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 | 65 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.364 | 1.6 | 63 | -0.06 |
| 3 | | Pyridine | 40.000 | 40.270 | -0.7 | 61 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.326 | -3.3 | 63 | -0.04 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.503 | -5.6 | 66 | 0.00 |
| 6 | | Aniline | 40.000 | 38.755 | 3.1 | 63 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 82.212 | -2.8 | 66 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.031 | -2.6 | 66 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 43.846 | -9.6 | 68 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.577 | -1.4 | 65 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 39.446 | 1.4 | 64 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.485 | -1.2 | 65 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.724 | -1.8 | 66 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.818 | -2.0 | 66 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 40.635 | -1.6 | 64 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.022 | -0.1 | 64 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.655 | 0.9 | 64 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 34.486 | 13.8 | 55 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.748 | -1.9 | 66 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.622 | -1.6 | 66 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 62 | 0.00 |
| 22 | | Acetophenone | 40.000 | 42.839 | -7.1 | 66 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.457 | -4.3 | 64 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.548 | -3.9 | 64 | 0.00 |
| 25 | | Isophorone | 40.000 | 40.188 | -0.5 | 63 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.904 | 0.2 | 60 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 41.337 | -3.3 | 64 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 41.591 | -4.0 | 64 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.400 | -3.5 | 63 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.769 | -1.9 | 62 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.420 | -1.1 | 63 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 24.235 | 39.4# | 35 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 38.758 | 3.1 | 62 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 41.173 | -2.9 | 64 | 0.00 |
| 35 | | Caprolactam | 40.000 | 37.436 | 6.4 | 58 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.592 | 1.0 | 60 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.824 | 2.9 | 60 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 38.559 | 3.6 | 60 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 54 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 43.737 | -9.3 | 59 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 0.000 | 100.0# | 0 | -9.09# |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 70.011 | 12.5 | 47 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.742 | -6.9 | 56 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.339 | -3.3 | 55 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 89.214 | -11.5 | 61 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 43.747 | -9.4 | 59 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 42.259 | -5.6 | 58 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 43.725 | -9.3 | 58 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.228 | -0.6 | 54 | -0.01 |
| 50 | | Dimethylphthalate | 40.000 | 43.086 | -7.7 | 59 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.541 | 1.1 | 53 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.268 | -0.7 | 55 | -0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 41.801 | -4.5 | 57 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 5.687 | 85.8# | 1 | 0.03 |
| 55 | | Dibenzofuran | 40.000 | 38.764 | 3.1 | 53 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 28.606 | 28.5# | 37 | 0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 34.627 | 13.4 | 46 | 0.00 |
| 58 | | Fluorene | 40.000 | 37.481 | 6.3 | 51 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 35.136 | 12.2 | 47 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 42.265 | -5.7 | 58 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.283 | -0.7 | 55 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 35.198 | 12.0 | 47 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.600 | 6.0 | 51 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 47 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 4.370 | 89.1# | 5 | 0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 44.305 | -10.8 | 52 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.957 | -7.4 | 51 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.663 | -1.7 | 48 | 0.00 |
| 69 | | Atrazine | 40.000 | 39.715 | 0.7 | 47 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 32.969 | 17.6 | 37 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.305 | -0.8 | 49 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.344 | -0.9 | 48 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.962 | -2.4 | 48 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.281 | -5.7 | 49 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 42.076 | -5.2 | 50 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 54 | 0.00 |
| 77 | | Benzidine | 40.000 | 51.963 | -29.9# | 72 | 0.00 |
| 78 | | Pyrene | 40.000 | 37.880 | 5.3 | 51 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 77.747 | 2.8 | 54 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.247 | -3.1 | 54 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 39.937 | 0.2 | 54 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 46.656 | -16.6 | 64 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.755 | -1.9 | 57 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.925 | -14.8 | 62 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 51.705 | -29.3# | 72 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 35.854 | 10.4 | 49 | 0.02 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 51 | 0.01 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 39.709 | 0.7 | 50 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 44.552 | -11.4 | 59 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.267 | -0.7 | 52 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 40.147 | -0.4 | 50 | 0.01 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 39.071 | 2.3 | 49 | 0.03 |

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