# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF121118\
Data File : BF111271.D
Acq On : 11 Dec 2018 11:43
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 11 17:12:47 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 01:15:27 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 | 74 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 33.647 | 15.9 | 64 | 0.01 |
| 3 | | Pyridine | 40.000 | 34.126 | 14.7 | 64 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.530 | 8.7 | 68 | 0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 73.240 | 8.5 | 68 | 0.00 |
| 6 | | Aniline | 40.000 | 37.043 | 7.4 | 67 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.252 | 3.4 | 71 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.501 | 1.2 | 73 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.124 | 12.2 | 66 | 0.00 |
| 10 | C | Phenol | 40.000 | 36.887 | 7.8 | 68 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.896 | 7.8 | 67 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.552 | 6.1 | 70 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.359 | 1.6 | 73 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.752 | 8.1 | 70 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 36.959 | 7.6 | 69 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.459 | 6.4 | 69 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.282 | 6.8 | 68 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 38.681 | 3.3 | 72 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.200 | 2.0 | 74 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.623 | 0.9 | 75 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 66 | 0.00 |
| 22 | | Acetophenone | 40.000 | 45.024 | -12.6 | 76 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 90.802 | -13.5 | 76 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 45.221 | -13.1 | 74 | 0.00 |
| 25 | | Isophorone | 40.000 | 43.770 | -9.4 | 73 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.848 | 2.9 | 61 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.497 | -6.2 | 70 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 43.444 | -8.6 | 73 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.832 | 2.9 | 65 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 39.293 | 1.8 | 65 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.547 | -3.9 | 68 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 32.390 | 19.0 | 49 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 39.843 | 0.4 | 66 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 45.792 | -14.5 | 77 | 0.00 |
| 35 | | Caprolactam | 40.000 | 45.884 | -14.7 | 75 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 45.229 | -13.1 | 74 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.992 | 7.5 | 61 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 35.770 | 10.6 | 60 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 59 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.818 | 3.0 | 61 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.511 | -1.3 | 60 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 93.680 | -17.1 | 71 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 37.508 | 6.2 | 57 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 38.356 | 4.1 | 58 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 85.664 | -7.1 | 64 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 40.280 | -0.7 | 61 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.969 | 2.6 | 61 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 38.473 | 3.8 | 57 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 39.628 | 0.9 | 62 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 37.967 | 5.1 | 61 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.453 | 3.9 | 57 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 39.908 | 0.2 | 61 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 38.724 | 3.2 | 57 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 37.922 | 5.2 | 55 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 42.334 | -5.8 | 62 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.354 | 4.1 | 55 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.971 | -2.4 | 58 | 0.00 |
| 58 | | Fluorene | 40.000 | 47.588 | -19.0 | 79 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 48.094 | -20.2 | 72 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 50.045 | -25.1# | 75 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 47.970 | -19.9 | 79 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 51.157 | -27.9# | 75 | 0.00 |
| 63 | | Azobenzene | 40.000 | 47.689 | -19.2 | 72 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 67 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.294 | -8.2 | 72 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 43.946 | -9.9 | 73 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 44.531 | -11.3 | 75 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 43.667 | -9.2 | 74 | 0.00 |
| 69 | | Atrazine | 40.000 | 45.217 | -13.0 | 77 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.309 | -3.3 | 67 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 38.995 | 2.5 | 68 | 0.00 |
| 72 | | Anthracene | 40.000 | 36.189 | 9.5 | 65 | 0.00 |
| 73 | | Carbazole | 40.000 | 34.520 | 13.7 | 62 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 38.547 | 3.6 | 62 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.991 | 2.5 | 61 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 57 | 0.00 |
| 77 | | Benzidine | 40.000 | 53.393 | -33.5# | 72 | 0.00 |
| 78 | | Pyrene | 40.000 | 44.997 | -12.5 | 63 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 104.839 | -31.0# | 75 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.894 | -9.7 | 62 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.648 | 3.4 | 55 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 37.457 | 6.4 | 52 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.821 | 2.9 | 55 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.901 | 0.2 | 57 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.222 | 6.9 | 52 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.172 | -12.9 | 63 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 63 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 34.703 | 13.2 | 52 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 33.038 | 17.4 | 51 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.266 | -3.2 | 64 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 43.672 | -9.2 | 64 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 36.607 | 8.5 | 53 | 0.01 |

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