# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF112217\
Data File : BF100855.D
Acq On : 23 Nov 2017 6:07
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 24 22:02:34 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 39# | -0.02 |
| 2 | | 1,4-Dioxane | 0.608 | 0.547 | 10.0 | 35# | -0.06 |
| 3 | | Pyridine | 1.659 | 1.462 | 11.9 | 33# | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.805 | 0.719 | 10.7 | 34# | -0.05 |
| 5 | S | 2-Fluorophenol | 1.248 | 1.249 | -0.1 | 39# | -0.02 |
| 6 | | Aniline | 2.174 | 2.020 | 7.1 | 36# | -0.02 |
| 7 | S | Phenol-d6 | 1.539 | 1.543 | -0.3 | 39# | -0.02 |
| 8 | | 2-Chlorophenol | 1.320 | 1.374 | -4.1 | 41# | -0.02 |
| 9 | | Benzaldehyde | 1.099 | 0.958 | 12.8 | 34# | -0.02 |
| 10 | C | Phenol | 1.615 | 1.688 | -4.5 | 41# | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.357 | 1.271 | 6.3 | 37# | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.522 | 1.598 | -5.0 | 41# | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.540 | 1.620 | -5.2 | 41# | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.424 | 1.517 | -6.5 | 42# | -0.02 |
| 15 | | Benzyl Alcohol | 1.201 | 1.177 | 2.0 | 37# | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.170 | 1.825 | 15.9 | 33# | -0.02 |
| 17 | | 2-Methylphenol | 1.128 | 1.133 | -0.4 | 39# | -0.01 |
| 18 | | Hexachloroethane | 0.508 | 0.452 | 11.0 | 34# | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.067 | 1.003 | 6.0 | 37# | -0.02 |
| 20 | | 3+4-Methylphenols | 1.427 | 1.418 | 0.6 | 38# | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 37# | -0.02 |
| 22 | | Acetophenone | 0.488 | 0.479 | 1.8 | 37# | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.303 | 0.347 | -14.5 | 41# | -0.02 |
| 24 | | Nitrobenzene | 0.311 | 0.348 | -11.9 | 39# | -0.02 |
| 25 | | Isophorone | 0.636 | 0.587 | 7.7 | 34# | -0.02 |
| 26 | C | 2-Nitrophenol | 0.132 | 0.178 | -34.8# | 46# | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.285 | 0.271 | 4.9 | 35# | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.416 | 0.397 | 4.6 | 36# | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.272 | 0.295 | -8.5 | 39# | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.294 | 0.319 | -8.5 | 41# | -0.02 |
| 31 | | Naphthalene | 0.963 | 0.991 | -2.9 | 39# | -0.02 |
| 32 | | Benzoic acid | 0.186 | 0.179 | 3.8 | 34# | -0.02 |
| 33 | | 4-Chloroaniline | 0.401 | 0.403 | -0.5 | 37# | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.175 | 0.192 | -9.7 | 41# | -0.02 |
| 35 | | Caprolactam | 0.093 | 0.086 | 7.5 | 34# | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.292 | 0.293 | -0.3 | 36# | -0.02 |
| 37 | | 2-Methylnaphthalene | 0.640 | 0.655 | -2.3 | 39# | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 34# | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.663 | 0.790 | -19.2 | 41# | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 0.312 | 0.070 | 77.6# | 7# | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.204 | 0.216 | -5.9 | 35# | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 0.420 | 0.477 | -13.6 | 37# | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 0.436 | 0.506 | -16.1 | 38# | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 1.313 | 1.521 | -15.8 | 41# | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.730 | 1.924 | -11.2 | 39# | -0.02 |
| 46 | | 2-Chloronaphthalene | 1.255 | 1.412 | -12.5 | 39# | -0.02 |
| 47 | | 2-Nitroaniline | 0.350 | 0.415 | -18.6 | 38# | -0.02 |
| 48 | | Acenaphthylene | 2.080 | 2.223 | -6.9 | 37# | -0.02 |
| 49 | | Dimethylphthalate | 1.527 | 1.674 | -9.6 | 38# | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.302 | 0.352 | -16.6 | 38# | -0.02 |
| 51 | C | Acenaphthene | 1.265 | 1.322 | -4.5 | 36# | -0.02 |
| 52 | | 3-Nitroaniline | 0.357 | 0.386 | -8.1 | 36# | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 0.091 | 0.032# | 64.8# | 12# | -0.01 |
| 54 | | Dibenzofuran | 1.773 | 1.870 | -5.5 | 36# | -0.02 |
| 55 | P | 4-Nitrophenol | 0.290 | 0.233 | 19.7 | 26# | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.381 | 0.446 | -17.1 | 37# | -0.02 |
| 57 | | Fluorene | 1.299 | 1.461 | -12.5 | 38# | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.357 | 0.354 | 0.8 | 33# | -0.02 |
| 59 | | Diethylphthalate | 1.528 | 1.615 | -5.7 | 37# | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.637 | 0.733 | -15.1 | 39# | -0.02 |
| 61 | | 4-Nitroaniline | 0.338 | 0.352 | -4.1 | 34# | -0.02 |
| 62 | | Azobenzene | 1.439 | 1.322 | 8.1 | 32# | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 30# | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.087 | 0.049 | 43.7# | 16# | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 0.695 | 0.837 | -20.4# | 36# | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.214 | 0.258 | -20.6 | 36# | -0.02 |
| 67 | | Hexachlorobenzene | 0.224 | 0.261 | -16.5 | 35# | -0.02 |
| 68 | | Atrazine | 0.211 | 0.242 | -14.7 | 34# | -0.02 |
| 69 | C | Pentachlorophenol | 0.161 | 0.124 | 23.0# | 23# | -0.02 |
| 70 | | Phenanthrene | 1.053 | 1.102 | -4.7 | 33# | -0.02 |
| 71 | | Anthracene | 1.068 | 1.110 | -3.9 | 32# | -0.02 |
| 72 | | Carbazole | 0.986 | 0.941 | 4.6 | 29# | -0.02 |
| 73 | | Di-n-butylphthalate | 1.154 | 1.314 | -13.9 | 35# | -0.02 |
| 74 | C | Fluoranthene | 1.116 | 0.950 | 14.9 | 27# | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 24# | -0.02 |
| 76 | | Benzidine | 0.801 | 0.624 | 22.1 | 18# | -0.02 |
| 77 | | Pyrene | 1.426 | 1.478 | -3.6 | 25# | -0.02 |
| 78 | S | Terphenyl-d14 | 0.870 | 0.978 | -12.4 | 29# | -0.02 |
| 79 | | Butylbenzylphthalate | 0.581 | 0.599 | -3.1 | 24# | -0.02 |
| 80 | | Benzo(a)anthracene | 1.204 | 1.287 | -6.9 | 26# | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.432 | 0.479 | -10.9 | 25# | -0.02 |
| 82 | | Chrysene | 1.166 | 1.206 | -3.4 | 25# | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.765 | 0.777 | -1.6 | 23# | -0.02 |
| 84 | c | Di-n-octyl phthalate | 1.314 | 1.333 | -1.4 | 23# | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.943 | 1.254 | -33.0# | 33# | -0.03 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 31# | -0.02 |
| 87 | | Benzo(b)fluoranthene | 1.185 | 1.178 | 0.6 | 31# | -0.02 |

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| 88 | Benzo(k)fluoranthene | 1.120 | 1.154 | -3.0 | 30# | -0.02 |
| 89 C | Benzo(a)pyrene | 1.050 | 1.096 | -4.4 | 31# | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 0.859 | 0.926 | -7.8 | 33# | -0.03 |
| 91 | Benzo(g,h,i)perylene | 0.841 | 0.851 | -1.2 | 32# | -0.03 |

(#) = Out of Range SPCC's out = 1 CCC's out = 3