# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052217\
Data File : BF095308.D
Acq On : 22 May 2017 12:00
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 22 13:33:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 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 | 84 | 0.00 |
| 2 | | 1,4-Dioxane | 0.588 | 0.498 | 15.3 | 75 | -0.01 |
| 3 | | Pyridine | 1.364 | 1.249 | 8.4 | 79 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.568 | 0.464 | 18.3 | 71 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.200 | 1.141 | 4.9 | 80 | 0.00 |
| 6 | | Aniline | 1.817 | 1.937 | -6.6 | 86 | -0.01 |
| 7 | S | Phenol-d6 | 1.439 | 1.442 | -0.2 | 84 | -0.01 |
| 8 | | 2-Chlorophenol | 1.365 | 1.391 | -1.9 | 87 | 0.00 |
| 9 | | Benzaldehyde | 0.879 | 0.763 | 13.2 | 72 | 0.00 |
| 10 | C | Phenol | 1.517 | 1.624 | -7.1 | 90 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.252 | 1.241 | 0.9 | 83 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.549 | 1.568 | -1.2 | 91 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.571 | 1.606 | -2.2 | 86 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.466 | 1.508 | -2.9 | 87 | -0.01 |
| 15 | | Benzyl Alcohol | 0.926 | 0.997 | -7.7 | 87 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.772 | 1.749 | 1.3 | 85 | -0.01 |
| 17 | | 2-Methylphenol | 1.117 | 1.163 | -4.1 | 91 | 0.00 |
| 18 | | Hexachloroethane | 0.532 | 0.525 | 1.3 | 82 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.973 | 0.977 | -0.4 | 86 | -0.01 |
| 20 | | 3+4-Methylphenols | 1.518 | 1.509 | 0.6 | 84 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 76 | -0.01 |
| 22 | | Acetophenone | 0.480 | 0.518 | -7.9 | 84 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.317 | 0.346 | -9.1 | 83 | 0.00 |
| 24 | | Nitrobenzene | 0.332 | 0.361 | -8.7 | 86 | -0.01 |
| 25 | | Isophorone | 0.566 | 0.631 | -11.5 | 86 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.179 | 0.205 | -14.5 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.290 | 0.312 | -7.6 | 86 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.392 | 0.412 | -5.1 | 81 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.274 | 0.280 | -2.2 | 81 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.293 | 0.309 | -5.5 | 83 | -0.01 |
| 31 | | Naphthalene | 1.005 | 1.039 | -3.4 | 81 | -0.01 |
| 32 | | Benzoic acid | 0.177 | 0.150 | 15.3 | 68 | 0.00 |
| 33 | | 4-Chloroaniline | 0.375 | 0.420 | -12.0 | 86 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.155 | 0.160 | -3.2 | 81 | -0.02 |
| 35 | | Caprolactam | 0.082 | 0.090 | -9.8 | 81 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.293 | 0.314 | -7.2 | 83 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.660 | 0.699 | -5.9 | 83 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 86 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.615 | 0.613 | 0.3 | 81 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.221 | 0.267 | -20.8 | 95 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.164 | 0.165 | -0.6 | 81 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.411 | 0.405 | 1.5 | 81 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.441 | 0.393 | 10.9 | 73 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.390 | 1.345 | 3.2 | 82 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052217\
Data File : BF095308.D
Acq On : 22 May 2017 12:00
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 22 13:33:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 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) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.684 | 1.659 | 1.5 | 81 | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.360 | 1.355 | 0.4 | 84 | -0.01 |
| 47 | | 2-Nitroaniline | 0.372 | 0.380 | -2.2 | 86 | 0.00 |
| 48 | | Acenaphthylene | 2.130 | 2.094 | 1.7 | 83 | -0.01 |
| 49 | | Dimethylphthalate | 1.642 | 1.473 | 10.3 | 75 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 0.335 | 0.331 | 1.2 | 81 | -0.01 |
| 51 | C | Acenaphthene | 1.272 | 1.246 | 2.0 | 82 | -0.01 |
| 52 | | 3-Nitroaniline | 0.360 | 0.361 | -0.3 | 82 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.156 | 0.148 | 5.1 | 77 | 0.00 |
| 54 | | Dibenzofuran | 1.760 | 1.752 | 0.5 | 85 | -0.01 |
| 55 | P | 4-Nitrophenol | 0.216 | 0.178 | 17.6 | 65 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.430 | 0.455 | -5.8 | 86 | 0.00 |
| 57 | | Fluorene | 1.531 | 1.471 | 3.9 | 83 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.278 | 0.268 | 3.6 | 81 | 0.00 |
| 59 | | Diethylphthalate | 1.574 | 1.524 | 3.2 | 84 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 0.673 | 0.655 | 2.7 | 81 | -0.01 |
| 61 | | 4-Nitroaniline | 0.330 | 0.269 | 18.5 | 69 | 0.00 |
| 62 | | Azobenzene | 1.265 | 1.134 | 10.4 | 74 | -0.01 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 82 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.134 | 0.122 | 9.0 | 73 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.726 | 0.668 | 8.0 | 76 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 0.211 | 0.208 | 1.4 | 79 | -0.01 |
| 67 | | Hexachlorobenzene | 0.217 | 0.214 | 1.4 | 81 | -0.01 |
| 68 | | Atrazine | 0.205 | 0.200 | 2.4 | 84 | -0.01 |
| 69 | C | Pentachlorophenol | 0.085 | 0.082 | 3.5 | 84 | 0.00 |
| 70 | | Phenanthrene | 1.149 | 1.156 | -0.6 | 84 | -0.02 |
| 71 | | Anthracene | 1.174 | 1.214 | -3.4 | 86 | -0.01 |
| 72 | | Carbazole | 1.068 | 1.088 | -1.9 | 85 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.332 | 1.285 | 3.5 | 78 | -0.01 |
| 74 | C | Fluoranthene | 1.179 | 1.157 | 1.9 | 80 | -0.01 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 82 | -0.01 |
| 76 | | Benzidine | 0.465 | 0.647 | -39.1# | 100 | 0.00 |
| 77 | | Pyrene | 1.496 | 1.553 | -3.8 | 84 | -0.01 |
| 78 | S | Terphenyl-d14 | 0.908 | 0.921 | -1.4 | 84 | -0.02 |
| 79 | | Butylbenzylphthalate | 0.696 | 0.705 | -1.3 | 81 | -0.01 |
| 80 | | Benzo(a)anthracene | 1.164 | 1.141 | 2.0 | 80 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 0.402 | 0.369 | 8.2 | 72 | -0.01 |
| 82 | | Chrysene | 1.125 | 1.119 | 0.5 | 81 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.991 | 0.917 | 7.5 | 74 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 1.625 | 1.499 | 7.8 | 73 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.914 | 0.750 | 17.9 | 68 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 76 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.236 | 1.132 | 8.4 | 65 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052217\
Data File : BF095308.D
Acq On : 22 May 2017 12:00
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 22 13:33:09 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 18 17:07:53 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) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.192 | 1.192 | 0.0 | 74 | -0.02 |
| 89 C | Benzo(a)pyrene | 1.140 | 1.110 | 2.6 | 71 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.942 | 0.839 | 10.9 | 67 | -0.02 |
| 91 | Benzo(g,h,i)perylene | 0.924 | 0.883 | 4.4 | 74 | -0.02 |

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