# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052417\
Data File : BF095406.D
Acq On : 25 May 2017 3:51
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 25 05:08:23 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 78 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 39.650 | 0.9 | 81 | -0.07 |
| 3 | | Pyridine | 40.000 | 37.775 | 5.6 | 76 | -0.06 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 32.942 | 17.6 | 67 | -0.06 |
| 5 | S | 2-Fluorophenol | 80.000 | 85.063 | -6.3 | 83 | -0.02 |
| 6 | | Aniline | 40.000 | 44.222 | -10.6 | 82 | -0.03 |
| 7 | S | Phenol-d6 | 80.000 | 84.748 | -5.9 | 83 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 42.662 | -6.7 | 84 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 38.166 | 4.6 | 73 | -0.02 |
| 10 | C | Phenol | 40.000 | 45.720 | -14.3 | 89 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 43.257 | -8.1 | 84 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 42.158 | -5.4 | 88 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.125 | -5.3 | 82 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.783 | -4.5 | 82 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 43.603 | -9.0 | 81 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.751 | -4.4 | 84 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 42.261 | -5.7 | 86 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 31.026 | 22.4 | 60 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.473 | -3.7 | 83 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.651 | 0.9 | 78 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 75 | -0.02 |
| 22 | | Acetophenone | 40.000 | 42.241 | -5.6 | 80 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.205 | -1.5 | 76 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 41.622 | -4.1 | 80 | -0.02 |
| 25 | | Isophorone | 40.000 | 42.083 | -5.2 | 79 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 30.043 | 24.9# | 55 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.662 | -6.7 | 83 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.672 | -6.7 | 81 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.792 | 5.5 | 74 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.315 | -3.3 | 80 | -0.02 |
| 31 | | Naphthalene | 40.000 | 41.031 | -2.6 | 79 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 20.870 | 47.8# | 37 | -0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 42.743 | -6.9 | 81 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.948 | -2.4 | 79 | -0.02 |
| 35 | | Caprolactam | 40.000 | 39.148 | 2.1 | 71 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 39.573 | 1.1 | 75 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.580 | -1.4 | 78 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 72 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.588 | -6.5 | 73 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 7.472 | 81.3# | 3 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 76.063 | 4.9 | 64 | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.689 | -1.7 | 70 | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 37.250 | 6.9 | 63 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 86.844 | -8.6 | 76 | -0.02 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052417\
Data File : BF095406.D
Acq On : 25 May 2017 3:51
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 25 05:08:23 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 44.420 | -11.1 | 76 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.905 | -4.8 | 73 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 43.222 | -8.1 | 76 | -0.01 |
| 48 | | Acenaphthylene | 40.000 | 38.883 | 2.8 | 68 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 42.740 | -6.9 | 74 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 36.081 | 9.8 | 62 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 40.150 | -0.4 | 71 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 43.744 | -9.4 | 75 | -0.01 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 6.247 | 84.4# | 0 | -12.85# |
| 54 | | Dibenzofuran | 40.000 | 39.458 | 1.4 | 70 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 23.742 | 40.6# | 39 | 0.05 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 32.601 | 18.5 | 55 | 0.00 |
| 57 | | Fluorene | 40.000 | 38.802 | 3.0 | 70 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.300 | 4.3 | 67 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 41.463 | -3.7 | 75 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.497 | -1.2 | 71 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 37.011 | 7.5 | 65 | 0.00 |
| 62 | | Azobenzene | 40.000 | 38.650 | 3.4 | 66 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 64 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 5.985 | 85.0# | 9 | 0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 42.839 | -7.1 | 69 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.187 | -5.5 | 66 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 40.345 | -0.9 | 65 | -0.02 |
| 68 | | Atrazine | 40.000 | 33.088 | 17.3 | 56 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 37.698 | 5.8 | 68 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 40.259 | -0.6 | 66 | -0.02 |
| 71 | | Anthracene | 40.000 | 39.561 | 1.1 | 64 | -0.02 |
| 72 | | Carbazole | 40.000 | 40.986 | -2.5 | 67 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 44.535 | -11.3 | 71 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 42.829 | -7.1 | 69 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 71 | -0.01 |
| 76 | | Benzidine | 40.000 | 77.326 | -93.3# | 148 | 0.00 |
| 77 | | Pyrene | 40.000 | 40.133 | -0.3 | 70 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 81.469 | -1.8 | 72 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 42.631 | -6.6 | 74 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.433 | 1.4 | 69 | -0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.651 | -4.1 | 71 | -0.01 |
| 82 | | Chrysene | 40.000 | 39.820 | 0.4 | 70 | -0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.496 | -3.7 | 71 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 43.463 | -8.7 | 74 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 34.296 | 14.3 | 62 | -0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 62 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.675 | -4.2 | 60 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF052417\
Data File : BF095406.D
Acq On : 25 May 2017 3:51
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 25 05:08:23 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.501 | -3.8 | 63 | -0.01 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.955 | 0.1 | 60 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 39.099 | 2.3 | 60 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.726 | -1.8 | 64 | 0.00 |

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