# 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 39 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 35.978 | 10.1 | 35 | -0.06 |
| 3 | | Pyridine | 40.000 | 35.244 | 11.9 | 33 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.715 | 10.7 | 34 | -0.05 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.081 | -0.1 | 39 | -0.02 |
| 6 | | Aniline | 40.000 | 37.180 | 7.1 | 36 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 80.231 | -0.3 | 39 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 41.634 | -4.1 | 41 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 34.868 | 12.8 | 34 | -0.02 |
| 10 | C | Phenol | 40.000 | 41.797 | -4.5 | 41 | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.468 | 6.3 | 37 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 42.010 | -5.0 | 41 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.075 | -5.2 | 41 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.620 | -6.5 | 42 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 39.214 | 2.0 | 37 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 33.642 | 15.9 | 33 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 40.187 | -0.5 | 39 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 35.584 | 11.0 | 34 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 37.598 | 6.0 | 37 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.727 | 0.7 | 38 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 37 | -0.02 |
| 22 | | Acetophenone | 40.000 | 39.274 | 1.8 | 37 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 91.703 | -14.6 | 41 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 44.680 | -11.7 | 39 | -0.02 |
| 25 | | Isophorone | 40.000 | 36.947 | 7.6 | 34 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 48.708 | -21.8# | 46 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.085 | 4.8 | 35 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.154 | 4.6 | 36 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.384 | -8.5 | 39 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 43.363 | -8.4 | 41 | -0.02 |
| 31 | | Naphthalene | 40.000 | 41.139 | -2.8 | 39 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 35.822 | 10.4 | 34 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 40.250 | -0.6 | 37 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 43.880 | -9.7 | 41 | -0.02 |
| 35 | | Caprolactam | 40.000 | 36.684 | 8.3 | 34 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.122 | -0.3 | 36 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.978 | -2.4 | 39 | -0.02 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 34 | -0.02 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 47.618 | -19.0 | 41 | -0.02 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 8.929 | 77.7# | 7 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 84.884 | -6.1 | 35 | -0.02 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 45.345 | -13.4 | 37 | -0.02 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 46.424 | -16.1 | 38 | -0.02 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 92.624 | -15.8 | 41 | -0.02 |

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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 44.480 | -11.2 | 39 | -0.02 |
| 46 | | 2-Chloronaphthalene | 40.000 | 45.011 | -12.5 | 39 | -0.02 |
| 47 | | 2-Nitroaniline | 40.000 | 44.949 | -12.4 | 38 | -0.02 |
| 48 | | Acenaphthylene | 40.000 | 42.764 | -6.9 | 37 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 43.850 | -9.6 | 38 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 46.614 | -16.5 | 38 | -0.02 |
| 51 | C | Acenaphthene | 40.000 | 41.818 | -4.5 | 36 | -0.02 |
| 52 | | 3-Nitroaniline | 40.000 | 43.227 | -8.1 | 36 | -0.02 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 20.005 | 50.0# | 12 | -0.01 |
| 54 | | Dibenzofuran | 40.000 | 42.203 | -5.5 | 36 | -0.02 |
| 55 | P | 4-Nitrophenol | 40.000 | 32.113 | 19.7 | 26 | -0.01 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 46.793 | -17.0 | 37 | -0.02 |
| 57 | | Fluorene | 40.000 | 45.016 | -12.5 | 38 | -0.02 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.620 | 1.0 | 33 | -0.02 |
| 59 | | Diethylphthalate | 40.000 | 42.265 | -5.7 | 37 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 46.041 | -15.1 | 39 | -0.02 |
| 61 | | 4-Nitroaniline | 40.000 | 41.600 | -4.0 | 34 | -0.02 |
| 62 | | Azobenzene | 40.000 | 36.739 | 8.2 | 32 | -0.02 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 30 | -0.02 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 24.567 | 38.6# | 16 | -0.02 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 48.138 | -20.3# | 36 | -0.02 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 48.197 | -20.5 | 36 | -0.02 |
| 67 | | Hexachlorobenzene | 40.000 | 46.532 | -16.3 | 35 | -0.02 |
| 68 | | Atrazine | 40.000 | 46.055 | -15.1 | 34 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 30.787 | 23.0# | 23 | -0.02 |
| 70 | | Phenanthrene | 40.000 | 41.874 | -4.7 | 33 | -0.02 |
| 71 | | Anthracene | 40.000 | 41.578 | -3.9 | 32 | -0.02 |
| 72 | | Carbazole | 40.000 | 38.184 | 4.5 | 29 | -0.02 |
| 73 | | Di-n-butylphthalate | 40.000 | 45.556 | -13.9 | 35 | -0.02 |
| 74 | C | Fluoranthene | 40.000 | 34.064 | 14.8 | 27 | -0.02 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 24 | -0.02 |
| 76 | | Benzidine | 40.000 | 31.159 | 22.1 | 18 | -0.02 |
| 77 | | Pyrene | 40.000 | 41.469 | -3.7 | 25 | -0.02 |
| 78 | S | Terphenyl-d14 | 80.000 | 89.876 | -12.3 | 29 | -0.02 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.213 | -3.0 | 24 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 42.730 | -6.8 | 26 | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.357 | -10.9 | 25 | -0.02 |
| 82 | | Chrysene | 40.000 | 41.367 | -3.4 | 25 | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.647 | -1.6 | 23 | -0.02 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.600 | -1.5 | 23 | -0.02 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 53.167 | -32.9# | 33 | -0.03 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 31 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 39.784 | 0.5 | 31 | -0.02 |

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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 41.222 | -3.1 | 30 | -0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.748 | -4.4 | 31 | -0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 43.130 | -7.8 | 33 | -0.03 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 40.489 | -1.2 | 32 | -0.03 |

(#) = Out of Range SPCC's out = 0 CCC's out = 3