# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083911.D
Acq On : 18 Dec 2015 14:25
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 19 04:23:25 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 14:23:22 2015
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 | 88 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 34.955 | 12.6 | 79 | -0.01 |
| 3 | | Pyridine | 40.000 | 35.309 | 11.7 | 78 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.390 | 1.5 | 84 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.018 | -0.0 | 92 | 0.00 |
| 6 | | Aniline | 40.000 | 37.739 | 5.7 | 84 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 75.102 | 6.1 | 82 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.041 | 2.4 | 94 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.781 | 10.5 | 78 | -0.01 |
| 10 | C | Phenol | 40.000 | 35.336 | 11.7 | 82 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 35.688 | 10.8 | 73 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.670 | 5.8 | 88 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.324 | 1.7 | 101 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.143 | -0.4 | 83 | -0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 36.914 | 7.7 | 90 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.386 | 9.0 | 87 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 37.073 | 7.3 | 87 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 36.905 | 7.7 | 88 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.745 | 3.1 | 94 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 37.742 | 5.6 | 95 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |
| 22 | | Acetophenone | 40.000 | 37.582 | 6.0 | 97 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 76.385 | 4.5 | 98 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 34.560 | 13.6 | 82 | -0.01 |
| 25 | | Isophorone | 40.000 | 38.225 | 4.4 | 99 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 36.082 | 9.8 | 84 | -0.01 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 36.062 | 9.8 | 96 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.860 | 5.4 | 104 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.317 | 1.7 | 96 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.189 | 4.5 | 103 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.619 | -1.5 | 101 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 49.210 | -23.0 | 146 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 34.621 | 13.4 | 96 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 32.808 | 18.0 | 84 | -0.01 |
| 35 | | Caprolactam | 40.000 | 33.067 | 17.3 | 91 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.549 | 3.6 | 91 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 34.540 | 13.7 | 90 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 91 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.655 | 0.9 | 103 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 34.105 | 14.7 | 75 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.897 | -4.9 | 100 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 41.956 | -4.9 | 103 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 42.261 | -5.7 | 101 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 73.254 | 8.4 | 88 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083911.D
Acq On : 18 Dec 2015 14:25
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 19 04:23:25 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 14:23:22 2015
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 | 45.115 | -12.8 | 106 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.511 | -1.3 | 97 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 34.759 | 13.1 | 88 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 37.205 | 7.0 | 93 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 37.898 | 5.3 | 92 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 40.942 | -2.4 | 95 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 36.992 | 7.5 | 90 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 36.872 | 7.8 | 91 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 46.792 | -17.0 | 124 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 36.522 | 8.7 | 90 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 39.868 | 0.3 | 85 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 39.756 | 0.6 | 98 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.315 | 1.7 | 92 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.694 | -4.2 | 100 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 37.481 | 6.3 | 91 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 38.857 | 2.9 | 93 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 35.352 | 11.6 | 92 | 0.00 |
| 62 | | Azobenzene | 40.000 | 40.100 | -0.3 | 93 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.613 | 3.5 | 96 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 36.104 | 9.7 | 101 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 33.699 | 15.8 | 91 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.181 | 4.5 | 97 | 0.00 |
| 68 | | Atrazine | 40.000 | 33.719 | 15.7 | 96 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 39.225 | 1.9 | 109 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 33.682 | 15.8 | 92 | -0.01 |
| 71 | | Anthracene | 40.000 | 39.219 | 2.0 | 102 | 0.00 |
| 72 | | Carbazole | 40.000 | 33.692 | 15.8 | 95 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.981 | 2.5 | 97 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 35.182 | 12.0 | 96 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 76 | | Benzidine | 40.000 | 37.187 | 7.0 | 82 | 0.00 |
| 77 | | Pyrene | 40.000 | 43.318 | -8.3 | 98 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 95.666 | -19.6 | 97 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.484 | -3.7 | 98 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.850 | 5.4 | 91 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 40.067 | -0.2 | 92 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.691 | 0.8 | 96 | 0.01 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.381 | -8.5 | 102 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 44.500 | -11.3 | 95 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 38.734 | 3.2 | 83 | 0.01 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 76 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.991 | 7.5 | 77 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121915\
Data File : BF083911.D
Acq On : 18 Dec 2015 14:25
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 19 04:23:25 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 18 14:23:22 2015
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 | 41.089 | -2.7 | 82 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.441 | 1.4 | 78 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.106 | -2.8 | 83 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.279 | -3.2 | 84 | 0.01 |

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