# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
Data File : BF087602.D
Acq On : 1 Jun 2016 3:11
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 01 04:20:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 01 03:17:16 2016
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 | 92 | -0.07 |
| 2 | | 1,4-Dioxane | 40.000 | 32.687 | 18.3 | 77 | -0.08 |
| 3 | | Pyridine | 40.000 | 31.706 | 20.7 | 68 | -0.09 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.913 | 0.2 | 89 | -0.09 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.222 | -2.8 | 90 | -0.07 |
| 6 | | Aniline | 40.000 | 41.019 | -2.5 | 91 | -0.07 |
| 7 | S | Phenol-d6 | 80.000 | 80.658 | -0.8 | 93 | -0.06 |
| 8 | | 2-Chlorophenol | 40.000 | 39.629 | 0.9 | 91 | -0.07 |
| 9 | | Benzaldehyde | 40.000 | 34.213 | 14.5 | 86 | -0.06 |
| 10 | C | Phenol | 40.000 | 40.101 | -0.3 | 100 | -0.05 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.912 | 2.7 | 91 | -0.07 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.077 | 4.8 | 89 | -0.08 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.300 | 4.3 | 89 | -0.08 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.138 | 2.2 | 92 | -0.08 |
| 15 | | Benzyl Alcohol | 40.000 | 40.665 | -1.7 | 88 | -0.06 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.971 | 7.6 | 87 | -0.08 |
| 17 | | 2-Methylphenol | 40.000 | 39.944 | 0.1 | 93 | -0.06 |
| 18 | | Hexachloroethane | 40.000 | 39.521 | 1.2 | 92 | -0.09 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.707 | 3.2 | 90 | -0.07 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.692 | -11.7 | 98 | -0.06 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 91 | -0.08 |
| 22 | | Acetophenone | 40.000 | 40.474 | -1.2 | 91 | -0.07 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.652 | -2.1 | 90 | -0.07 |
| 24 | | Nitrobenzene | 40.000 | 41.125 | -2.8 | 90 | -0.07 |
| 25 | | Isophorone | 40.000 | 40.912 | -2.3 | 92 | -0.08 |
| 26 | C | 2-Nitrophenol | 40.000 | 40.961 | -2.4 | 87 | -0.07 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.333 | -0.8 | 90 | -0.06 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.029 | -0.1 | 92 | -0.07 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.620 | -6.5 | 93 | -0.05 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.561 | 3.6 | 87 | -0.08 |
| 31 | | Naphthalene | 40.000 | 39.022 | 2.4 | 91 | -0.08 |
| 32 | | Benzoic acid | 40.000 | 41.552 | -3.9 | 92 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.464 | 1.3 | 87 | -0.06 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.642 | 3.4 | 87 | -0.09 |
| 35 | | Caprolactam | 40.000 | 44.647 | -11.6 | 97 | -0.05 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 43.643 | -9.1 | 94 | -0.05 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.532 | -1.3 | 93 | -0.08 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 95 | -0.08 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.663 | 3.3 | 91 | -0.08 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 25.927 | 35.2# | 50 | -0.08 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 83.336 | -4.2 | 95 | -0.07 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.183 | 2.0 | 88 | -0.06 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 34.954 | 12.6 | 81 | -0.05 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 72.269 | 9.7 | 87 | -0.08 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
Data File : BF087602.D
Acq On : 1 Jun 2016 3:11
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 01 04:20:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 01 03:17:16 2016
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 | 38.390 | 4.0 | 94 | -0.08 |
| 46 | | 2-Chloronaphthalene | 40.000 | 39.422 | 1.4 | 94 | -0.07 |
| 47 | | 2-Nitroaniline | 40.000 | 42.712 | -6.8 | 97 | -0.06 |
| 48 | | Acenaphthylene | 40.000 | 38.015 | 5.0 | 91 | -0.08 |
| 49 | | Dimethylphthalate | 40.000 | 38.617 | 3.5 | 91 | -0.08 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 36.881 | 7.8 | 87 | -0.07 |
| 51 | C | Acenaphthene | 40.000 | 38.135 | 4.7 | 94 | -0.08 |
| 52 | | 3-Nitroaniline | 40.000 | 42.663 | -6.7 | 99 | -0.05 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 38.719 | 3.2 | 85 | -0.02 |
| 54 | | Dibenzofuran | 40.000 | 39.492 | 1.3 | 96 | -0.07 |
| 55 | P | 4-Nitrophenol | 40.000 | 42.372 | -5.9 | 98 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 43.377 | -8.4 | 98 | -0.05 |
| 57 | | Fluorene | 40.000 | 38.035 | 4.9 | 91 | -0.08 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 39.288 | 1.8 | 87 | -0.07 |
| 59 | | Diethylphthalate | 40.000 | 39.437 | 1.4 | 95 | -0.08 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 37.400 | 6.5 | 90 | -0.08 |
| 61 | | 4-Nitroaniline | 40.000 | 33.015 | 17.5 | 70 | -0.05 |
| 62 | | Azobenzene | 40.000 | 42.899 | -7.2 | 97 | -0.08 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 97 | -0.07 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 39.027 | 2.4 | 85 | -0.05 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.252 | 1.9 | 93 | -0.07 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.274 | 1.8 | 94 | -0.08 |
| 67 | | Hexachlorobenzene | 40.000 | 38.486 | 3.8 | 92 | -0.08 |
| 68 | | Atrazine | 40.000 | 20.688 | 48.3# | 49 | -0.07 |
| 69 | C | Pentachlorophenol | 40.000 | 32.601 | 18.5 | 71 | -0.05 |
| 70 | | Phenanthrene | 40.000 | 39.361 | 1.6 | 97 | -0.07 |
| 71 | | Anthracene | 40.000 | 40.289 | -0.7 | 99 | -0.07 |
| 72 | | Carbazole | 40.000 | 40.402 | -1.0 | 97 | -0.06 |
| 73 | | Di-n-butylphthalate | 40.000 | 39.342 | 1.6 | 91 | -0.07 |
| 74 | C | Fluoranthene | 40.000 | 41.134 | -2.8 | 98 | -0.07 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 107 | -0.06 |
| 76 | | Benzidine | 40.000 | 30.162 | 24.6 | 73 | -0.05 |
| 77 | | Pyrene | 40.000 | 38.430 | 3.9 | 102 | -0.06 |
| 78 | S | Terphenyl-d14 | 80.000 | 74.164 | 7.3 | 98 | -0.07 |
| 79 | | Butylbenzylphthalate | 40.000 | 37.815 | 5.5 | 94 | -0.07 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.950 | 5.1 | 101 | -0.05 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.741 | 3.1 | 106 | -0.07 |
| 82 | | Chrysene | 40.000 | 37.068 | 7.3 | 102 | -0.06 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 35.761 | 10.6 | 93 | -0.07 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 36.483 | 8.8 | 90 | -0.08 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 35.117 | 12.2 | 92 | -0.05 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 91 | -0.02 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 35.681 | 10.8 | 75 | -0.03 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF053116\
Data File : BF087602.D
Acq On : 1 Jun 2016 3:11
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 01 04:20:44 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 01 03:17:16 2016
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 | 50.654 | -26.6# | 135 | -0.05 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.007 | -0.0 | 93 | -0.03 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 40.525 | -1.3 | 91 | -0.06 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 39.033 | 2.4 | 87 | -0.03 |

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