# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF022715\
Data File : BF077503.D
Acq On : 27 Feb 2015 12:37
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 27 22:36:29 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 27 07:02:57 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 | 79 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 40.321 | -0.8 | 81 | 0.00 |
| 3 | | Pyridine | 40.000 | 43.926 | -9.8 | 82 | 0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.222 | -3.1 | 84 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 76.717 | 4.1 | 75 | 0.00 |
| 6 | | Aniline | 40.000 | 36.372 | 9.1 | 70 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.195 | 4.8 | 73 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.113 | 2.2 | 77 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 42.295 | -5.7 | 85 | -0.01 |
| 10 | C | Phenol | 40.000 | 36.281 | 9.3 | 68 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 36.200 | 9.5 | 72 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.432 | 3.9 | 75 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.472 | 6.3 | 73 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.321 | 6.7 | 72 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 36.512 | 8.7 | 71 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.362 | 6.6 | 72 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 38.935 | 2.7 | 72 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 39.563 | 1.1 | 77 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 40.223 | -0.6 | 76 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.557 | 3.6 | 73 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 79 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.179 | -0.4 | 81 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.359 | 3.3 | 73 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 39.355 | 1.6 | 76 | -0.01 |
| 25 | | Isophorone | 40.000 | 37.975 | 5.1 | 70 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 46.820 | -17.1 | 83 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.583 | 1.0 | 76 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.678 | -1.7 | 78 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.044 | 2.4 | 74 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.834 | 5.4 | 73 | 0.00 |
| 31 | | Naphthalene | 40.000 | 39.264 | 1.8 | 77 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 44.016 | -10.0 | 79 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 37.987 | 5.0 | 71 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.439 | 3.9 | 74 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.811 | 0.5 | 74 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.570 | -1.4 | 75 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.251 | 1.9 | 73 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 74 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.207 | -3.0 | 74 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 43.424 | -8.6 | 73 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 88.253 | -10.3 | 76 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.706 | -9.3 | 75 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.778 | -4.4 | 73 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 79.616 | 0.5 | 73 | 0.00 |

Data Path : Z:\HPCHEM1\BNA F\Data\BF022715\
Data File : BF077503.D
Acq On : 27 Feb 2015 12:37
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 27 22:36:29 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 27 07:02:57 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 | 42.743 | -6.9 | 76 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 42.116 | -5.3 | 78 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 46.724 | -16.8 | 83 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 41.024 | -2.6 | 75 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 43.286 | -8.2 | 79 | -0.01 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.740 | -9.4 | 72 | -0.01 |
| 51 | C | Acenaphthene | 40.000 | 38.944 | 2.6 | 70 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 44.780 | -12.0 | 77 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 46.280 | -15.7 | 81 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.968 | -2.4 | 74 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 45.108 | -12.8 | 75 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 41.648 | -4.1 | 68 | 0.00 |
| 57 | | Fluorene | 40.000 | 41.328 | -3.3 | 74 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.741 | -9.4 | 74 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 43.329 | -8.3 | 78 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.356 | -0.9 | 72 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 46.629 | -16.6 | 81 | 0.00 |
| 62 | | Azobenzene | 40.000 | 41.279 | -3.2 | 72 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 79 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.552 | -1.4 | 79 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 39.740 | 0.6 | 76 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 37.265 | 6.8 | 74 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 36.342 | 9.1 | 73 | 0.00 |
| 68 | | Atrazine | 40.000 | 39.288 | 1.8 | 82 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 38.940 | 2.7 | 72 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 37.377 | 6.6 | 75 | 0.00 |
| 71 | | Anthracene | 40.000 | 38.213 | 4.5 | 77 | -0.01 |
| 72 | | Carbazole | 40.000 | 37.835 | 5.4 | 71 | -0.01 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.003 | -0.0 | 75 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 37.477 | 6.3 | 73 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 72 | 0.00 |
| 76 | | Benzidine | 40.000 | 32.434 | 18.9 | 63 | 0.00 |
| 77 | | Pyrene | 40.000 | 39.144 | 2.1 | 71 | -0.01 |
| 78 | S | Terphenyl-d14 | 80.000 | 79.546 | 0.6 | 71 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 43.304 | -8.3 | 74 | -0.02 |
| 80 | | Benzo(a)anthracene | 40.000 | 37.746 | 5.6 | 69 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.498 | 3.8 | 68 | 0.00 |
| 82 | | Chrysene | 40.000 | 37.957 | 5.1 | 70 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 39.708 | 0.7 | 70 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.579 | -3.9 | 71 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.698 | 0.8 | 71 | 0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 77 | 0.03 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 37.338 | 6.7 | 68 | 0.02 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF022715\
Data File : BF077503.D
Acq On : 27 Feb 2015 12:37
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 27 22:36:29 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 27 07:02:57 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 | 33.500 | 16.3 | 69 | 0.02 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.504 | 1.2 | 74 | 0.02 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 37.376 | 6.6 | 70 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 37.747 | 5.6 | 72 | 0.02 |

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