# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\
Data File : BF119218.D
Acq On : 5 Mar 2020 17:57
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 06 06:59:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 26 16:03:05 2020
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 | 74 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 36.838 | 7.9 | 72 | -0.04 |
| 3 | | Pyridine | 40.000 | 36.880 | 7.8 | 73 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 41.154 | -2.9 | 81 | -0.05 |
| 5 | S | 2-Fluorophenol | 80.000 | 81.936 | -2.4 | 79 | -0.02 |
| 6 | | Aniline | 40.000 | 39.109 | 2.2 | 74 | -0.02 |
| 7 | S | Phenol-d6 | 80.000 | 80.224 | -0.3 | 77 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 40.586 | -1.5 | 78 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 34.146 | 14.6 | 66 | -0.02 |
| 10 | C | Phenol | 40.000 | 40.721 | -1.8 | 79 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.624 | -1.6 | 79 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.094 | -0.2 | 78 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.491 | -1.2 | 78 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.673 | -1.7 | 78 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 42.039 | -5.1 | 80 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 39.815 | 0.5 | 78 | -0.02 |
| 17 | | 2-Methylphenol | 40.000 | 40.067 | -0.2 | 78 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 40.214 | -0.5 | 79 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 43.288 | -8.2 | 85 | -0.03 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.617 | -9.0 | 87 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 78 | -0.02 |
| 22 | | Acetophenone | 40.000 | 41.485 | -3.7 | 85 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.851 | 1.4 | 81 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 39.417 | 1.5 | 82 | -0.02 |
| 25 | | Isophorone | 40.000 | 39.344 | 1.6 | 82 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 39.414 | 1.5 | 81 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.732 | 3.2 | 80 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.442 | 3.9 | 79 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.096 | 2.3 | 80 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 37.965 | 5.1 | 78 | -0.02 |
| 31 | | Naphthalene | 40.000 | 39.298 | 1.8 | 80 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 39.167 | 2.1 | 85 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 38.755 | 3.1 | 79 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.765 | 3.1 | 80 | -0.02 |
| 35 | | Caprolactam | 40.000 | 40.005 | -0.0 | 81 | -0.04 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.588 | -1.5 | 83 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.378 | 1.6 | 81 | -0.02 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.642 | 0.9 | 81 | -0.02 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 80 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.682 | 5.8 | 80 | -0.02 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 35.500 | 11.3 | 79 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 77.059 | 3.7 | 82 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 37.462 | 6.3 | 80 | -0.02 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 35.970 | 10.1 | 76 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\
Data File : BF119218.D
Acq On : 5 Mar 2020 17:57
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 06 06:59:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 26 16:03:05 2020
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 | S | 2-Fluorobiphenyl | 80.000 | 75.686 | 5.4 | 83 | -0.02 |
| 46 | | 1,1'-Biphenyl | 40.000 | 38.661 | 3.3 | 81 | -0.02 |
| 47 | | 2-Chloronaphthalene | 40.000 | 38.305 | 4.2 | 81 | -0.02 |
| 48 | | 2-Nitroaniline | 40.000 | 40.265 | -0.7 | 85 | -0.02 |
| 49 | | Acenaphthylene | 40.000 | 38.427 | 3.9 | 81 | -0.02 |
| 50 | | Dimethylphthalate | 40.000 | 38.940 | 2.7 | 84 | -0.03 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 37.886 | 5.3 | 81 | -0.02 |
| 52 | C | Acenaphthene | 40.000 | 38.789 | 3.0 | 82 | -0.02 |
| 53 | | 3-Nitroaniline | 40.000 | 38.243 | 4.4 | 80 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 36.799 | 8.0 | 80 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 38.193 | 4.5 | 79 | -0.02 |
| 56 | P | 4-Nitrophenol | 40.000 | 37.187 | 7.0 | 77 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 37.796 | 5.5 | 79 | -0.02 |
| 58 | | Fluorene | 40.000 | 40.069 | -0.2 | 84 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.943 | 5.1 | 82 | -0.02 |
| 60 | | Diethylphthalate | 40.000 | 39.749 | 0.6 | 84 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 40.137 | -0.3 | 84 | -0.02 |
| 62 | | 4-Nitroaniline | 40.000 | 35.782 | 10.5 | 75 | -0.02 |
| 63 | | Azobenzene | 40.000 | 40.024 | -0.1 | 85 | -0.02 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 81 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 40.548 | -1.4 | 87 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 38.624 | 3.4 | 83 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 38.297 | 4.3 | 83 | -0.02 |
| 68 | | Hexachlorobenzene | 40.000 | 38.242 | 4.4 | 83 | -0.02 |
| 69 | | Atrazine | 40.000 | 35.619 | 11.0 | 77 | -0.02 |
| 70 | C | Pentachlorophenol | 40.000 | 32.220 | 19.5 | 70 | -0.01 |
| 71 | | Phenanthrene | 40.000 | 38.635 | 3.4 | 83 | -0.02 |
| 72 | | Anthracene | 40.000 | 38.724 | 3.2 | 82 | -0.02 |
| 73 | | Carbazole | 40.000 | 39.113 | 2.2 | 83 | -0.02 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.799 | -2.0 | 87 | -0.02 |
| 75 | C | Fluoranthene | 40.000 | 38.690 | 3.3 | 82 | -0.02 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 78 | -0.02 |
| 77 | | Benzidine | 40.000 | 30.738 | 23.2 | 62 | -0.02 |
| 78 | | Pyrene | 40.000 | 37.784 | 5.5 | 81 | -0.02 |
| 79 | S | Terphenyl-d14 | 80.000 | 79.955 | 0.1 | 86 | -0.02 |
| 80 | | Butylbenzylphthalate | 40.000 | 40.026 | -0.1 | 84 | -0.02 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.476 | -1.2 | 84 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.474 | 1.3 | 79 | -0.02 |
| 83 | | Chrysene | 40.000 | 38.329 | 4.2 | 80 | -0.02 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.095 | -7.7 | 90 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.493 | -6.2 | 84 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 33.855 | 15.4 | 55 | -0.02 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 51 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030520\
Data File : BF119218.D
Acq On : 5 Mar 2020 17:57
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 06 06:59:26 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 26 16:03:05 2020
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(b)fluoranthene | 40.000 | 41.972 | -4.9 | 80 | -0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 39.754 | 0.6 | 70 | -0.02 |
| 90 C | Benzo(a)pyrene | 40.000 | 38.880 | 2.8 | 53 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 37.833 | 5.4 | 55 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 36.114 | 9.7 | 53 | -0.02 |

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