# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF082818\
Data File : BF108552.D
Acq On : 28 Aug 2018 13:47
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 28 14:30:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 11:01:45 2018
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 | 45 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 36.431 | 8.9 | 41 | 0.01 |
| 3 | | Pyridine | 40.000 | 35.959 | 10.1 | 40 | 0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.250 | 11.9 | 39 | 0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 87.353 | -9.2 | 49 | 0.01 |
| 6 | | Aniline | 40.000 | 40.126 | -0.3 | 45 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 82.835 | -3.5 | 47 | 0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 41.751 | -4.4 | 46 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 36.977 | 7.6 | 41 | 0.00 |
| 10 | C | Phenol | 40.000 | 43.789 | -9.5 | 50 | 0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.006 | -0.0 | 44 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.765 | -4.4 | 47 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.552 | -3.9 | 46 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.502 | -3.8 | 47 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.451 | 1.4 | 43 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 35.993 | 10.0 | 40 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 40.353 | -0.9 | 44 | 0.01 |
| 18 | | Hexachloroethane | 40.000 | 41.765 | -4.4 | 46 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 38.758 | 3.1 | 43 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.628 | 0.9 | 44 | 0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 45 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.265 | -0.7 | 45 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.714 | -4.6 | 46 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.856 | -2.1 | 44 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.693 | 0.8 | 44 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 50.038 | -25.1# | 54 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.392 | 4.0 | 43 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.043 | -0.1 | 45 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 42.782 | -7.0 | 46 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.059 | -2.6 | 46 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.951 | -4.9 | 47 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 40.360 | -0.9 | 46 | 0.04 |
| 33 | | 4-Chloroaniline | 40.000 | 41.131 | -2.8 | 45 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.393 | -6.0 | 47 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.725 | -1.8 | 43 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.349 | -3.4 | 45 | 0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.072 | -2.7 | 46 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 44 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.149 | -5.4 | 46 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 44.989 | -12.5 | 46 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 93.859 | -17.3 | 48 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 44.662 | -11.7 | 47 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 43.855 | -9.6 | 45 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 87.957 | -9.9 | 49 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF082818\
Data File : BF108552.D
Acq On : 28 Aug 2018 13:47
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 28 14:30:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 11:01:45 2018
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 | 42.051 | -5.1 | 46 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 41.794 | -4.5 | 46 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 43.957 | -9.9 | 45 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 42.093 | -5.2 | 46 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 41.500 | -3.8 | 46 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 43.575 | -8.9 | 46 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.646 | 0.9 | 43 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 43.037 | -7.6 | 45 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 47.185 | -18.0 | 56 | 0.01 |
| 54 | | Dibenzofuran | 40.000 | 41.689 | -4.2 | 46 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 40.695 | -1.7 | 43 | 0.04 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 45.062 | -12.7 | 46 | 0.00 |
| 57 | | Fluorene | 40.000 | 42.869 | -7.2 | 48 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 43.672 | -9.2 | 45 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 41.437 | -3.6 | 45 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.499 | -3.7 | 45 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 45.457 | -13.6 | 47 | 0.02 |
| 62 | | Azobenzene | 40.000 | 40.516 | -1.3 | 44 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 44 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.673 | -11.7 | 51 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.919 | -2.3 | 45 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 41.028 | -2.6 | 45 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 40.852 | -2.1 | 45 | 0.00 |
| 68 | | Atrazine | 40.000 | 42.388 | -6.0 | 46 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 42.051 | -5.1 | 45 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 42.082 | -5.2 | 48 | 0.00 |
| 71 | | Anthracene | 40.000 | 42.356 | -5.9 | 47 | 0.00 |
| 72 | | Carbazole | 40.000 | 41.773 | -4.4 | 47 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 43.299 | -8.2 | 48 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 42.210 | -5.5 | 47 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 42 | 0.00 |
| 76 | | Benzidine | 40.000 | 43.433 | -8.6 | 43 | 0.00 |
| 77 | | Pyrene | 40.000 | 44.394 | -11.0 | 47 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 90.573 | -13.2 | 49 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 45.516 | -13.8 | 45 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.175 | -2.9 | 43 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.393 | -3.5 | 41 | 0.00 |
| 82 | | Chrysene | 40.000 | 41.351 | -3.4 | 43 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.364 | -5.9 | 42 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.836 | -4.6 | 41 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.939 | 5.2 | 40 | 0.02 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 39 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.262 | -0.7 | 37 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF082818\
Data File : BF108552.D
Acq On : 28 Aug 2018 13:47
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 28 14:30:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 11:01:45 2018
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 | 41.727 | -4.3 | 41 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.511 | -3.8 | 39 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 42.406 | -6.0 | 41 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.883 | -7.2 | 42 | 0.02 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1