# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF080318\
Data File : BF107961.D
Acq On : 4 Aug 2018 2:19
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 06 05:35:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 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 | 122 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 34.060 | 14.8 | 99 | -0.05 |
| 3 | | Pyridine | 40.000 | 35.943 | 10.1 | 110 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 25.165 | 37.1# | 80 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 73.784 | 7.8 | 104 | 0.00 |
| 6 | | Aniline | 40.000 | 39.635 | 0.9 | 113 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 76.876 | 3.9 | 121 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 38.548 | 3.6 | 119 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 31.143 | 22.1 | 95 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.732 | -1.8 | 143 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 44.649 | -11.6 | 139 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 37.931 | 5.2 | 115 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.561 | 1.1 | 117 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 37.102 | 7.2 | 116 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 40.303 | -0.8 | 117 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 38.398 | 4.0 | 118 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 41.059 | -2.6 | 120 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 33.546 | 16.1 | 105 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 41.875 | -4.7 | 124 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.794 | 0.5 | 111 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 124 | -0.01 |
| 22 | | Acetophenone | 40.000 | 38.082 | 4.8 | 123 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 78.799 | 1.5 | 127 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 38.651 | 3.4 | 123 | 0.00 |
| 25 | | Isophorone | 40.000 | 38.187 | 4.5 | 117 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.045 | 4.9 | 113 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.174 | 2.1 | 123 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.979 | -2.4 | 122 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 39.951 | 0.1 | 120 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.495 | 3.8 | 118 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.416 | 4.0 | 114 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.387 | 4.0 | 111 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 38.471 | 3.8 | 118 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 35.837 | 10.4 | 113 | -0.01 |
| 35 | | Caprolactam | 40.000 | 36.339 | 9.2 | 112 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 36.935 | 7.7 | 109 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.332 | 4.2 | 113 | -0.01 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 108 | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 42.586 | -6.5 | 110 | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 14.897 | 62.8# | 25 | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 68.702 | 14.1 | 90 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 43.599 | -9.0 | 108 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.256 | 4.4 | 95 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 80.995 | -1.2 | 111 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF080318\
Data File : BF107961.D
Acq On : 4 Aug 2018 2:19
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 06 05:35:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 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 | 41.145 | -2.9 | 108 | -0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.981 | -2.5 | 108 | -0.01 |
| 47 | | 2-Nitroaniline | 40.000 | 40.873 | -2.2 | 106 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 37.293 | 6.8 | 102 | -0.01 |
| 49 | | Dimethylphthalate | 40.000 | 39.686 | 0.8 | 105 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 39.927 | 0.2 | 106 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 37.941 | 5.1 | 107 | -0.01 |
| 52 | | 3-Nitroaniline | 40.000 | 37.262 | 6.8 | 98 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 13.824 | 65.4# | 18 | 0.06 |
| 54 | | Dibenzofuran | 40.000 | 36.969 | 7.6 | 100 | -0.01 |
| 55 | P | 4-Nitrophenol | 40.000 | 23.099 | 42.3# | 47 | 0.02 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 35.266 | 11.8 | 92 | 0.00 |
| 57 | | Fluorene | 40.000 | 35.307 | 11.7 | 97 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 32.675 | 18.3 | 82 | -0.01 |
| 59 | | Diethylphthalate | 40.000 | 36.487 | 8.8 | 100 | -0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 36.023 | 9.9 | 99 | -0.01 |
| 61 | | 4-Nitroaniline | 40.000 | 37.351 | 6.6 | 100 | 0.00 |
| 62 | | Azobenzene | 40.000 | 35.832 | 10.4 | 98 | -0.01 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 92 | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 15.728 | 60.7# | 35 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.491 | -3.7 | 96 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.358 | -5.9 | 100 | -0.01 |
| 67 | | Hexachlorobenzene | 40.000 | 38.558 | 3.6 | 89 | -0.01 |
| 68 | | Atrazine | 40.000 | 36.645 | 8.4 | 83 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 41.683 | -4.2 | 90 | -0.01 |
| 70 | | Phenanthrene | 40.000 | 37.573 | 6.1 | 86 | 0.00 |
| 71 | | Anthracene | 40.000 | 39.016 | 2.5 | 91 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.335 | 1.7 | 90 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 38.137 | 4.7 | 88 | -0.01 |
| 74 | C | Fluoranthene | 40.000 | 38.713 | 3.2 | 90 | -0.01 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 109 | 0.00 |
| 76 | | Benzidine | 40.000 | 28.154 | 29.6# | 73 | 0.00 |
| 77 | | Pyrene | 40.000 | 33.067 | 17.3 | 92 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 65.909 | 17.6 | 93 | -0.01 |
| 79 | | Butylbenzylphthalate | 40.000 | 34.715 | 13.2 | 94 | -0.01 |
| 80 | | Benzo(a)anthracene | 40.000 | 38.121 | 4.7 | 103 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 39.539 | 1.2 | 108 | 0.00 |
| 82 | | Chrysene | 40.000 | 38.171 | 4.6 | 106 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 35.195 | 12.0 | 97 | -0.01 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 41.006 | -2.5 | 110 | -0.01 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 36.596 | 8.5 | 107 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 128 | -0.01 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.361 | 9.1 | 118 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF080318\
Data File : BF107961.D
Acq On : 4 Aug 2018 2:19
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 06 05:35:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 30 17:48:53 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 | 39.590 | 1.0 | 125 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 36.277 | 9.3 | 120 | -0.01 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 32.613 | 18.5 | 110 | -0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 31.655 | 20.9 | 106 | -0.01 |

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