# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122816\
Data File : BF092014.D
Acq On : 29 Dec 2016 00:21
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 29 02:45:31 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 17:32:10 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 | 111 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.672 | 10.8 | 98 | 0.01 |
| 3 | | Pyridine | 40.000 | 32.337 | 19.2 | 87 | 0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 34.659 | 13.4 | 92 | 0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 86.083 | -7.6 | 124 | 0.00 |
| 6 | | Aniline | 40.000 | 35.218 | 12.0 | 98 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 70.318 | 12.1 | 96 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 40.887 | -2.2 | 111 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 42.307 | -5.8 | 113 | 0.00 |
| 10 | C | Phenol | 40.000 | 41.692 | -4.2 | 106 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.624 | -4.1 | 107 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.256 | -0.6 | 106 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.467 | -3.7 | 113 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.568 | 1.1 | 112 | 0.01 |
| 15 | | Benzyl Alcohol | 40.000 | 39.152 | 2.1 | 107 | 0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 44.823 | -12.1 | 124 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 44.108 | -10.3 | 122 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 43.983 | -10.0 | 116 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 45.080 | -12.7 | 118 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 46.720 | -16.8 | 123 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 107 | 0.00 |
| 22 | | Acetophenone | 40.000 | 47.779 | -19.4 | 126 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 86.367 | -8.0 | 120 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 45.678 | -14.2 | 110 | 0.01 |
| 25 | | Isophorone | 40.000 | 42.712 | -6.8 | 114 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.945 | -4.9 | 115 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 37.639 | 5.9 | 93 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.015 | 2.5 | 101 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.071 | -0.2 | 104 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.529 | -1.3 | 103 | 0.00 |
| 31 | | Naphthalene | 40.000 | 38.679 | 3.3 | 94 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 39.494 | 1.3 | 99 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 35.848 | 10.4 | 94 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 44.793 | -12.0 | 117 | 0.00 |
| 35 | | Caprolactam | 40.000 | 30.375 | 24.1 | 79 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 32.101 | 19.7 | 80 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.502 | 3.7 | 105 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 95 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.980 | 5.1 | 81 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 29.876 | 25.3# | 63 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 77.957 | 2.6 | 95 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 40.854 | -2.1 | 88 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 38.447 | 3.9 | 87 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 89.817 | -12.3 | 102 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122816\
Data File : BF092014.D
Acq On : 29 Dec 2016 00:21
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 29 02:45:31 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 17:32:10 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 | 43.953 | -9.9 | 92 | 0.01 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.387 | -1.0 | 91 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 44.896 | -12.2 | 94 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.986 | -2.5 | 96 | 0.01 |
| 49 | | Dimethylphthalate | 40.000 | 40.979 | -2.4 | 92 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 36.924 | 7.7 | 86 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 40.701 | -1.8 | 97 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 33.534 | 16.2 | 69 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 21.871 | 45.3# | 45 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 37.608 | 6.0 | 96 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 34.535 | 13.7 | 74 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 35.195 | 12.0 | 85 | 0.00 |
| 57 | | Fluorene | 40.000 | 40.257 | -0.6 | 91 | 0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.646 | -4.1 | 91 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 43.497 | -8.7 | 94 | 0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.323 | -0.8 | 95 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 34.589 | 13.5 | 73 | 0.00 |
| 62 | | Azobenzene | 40.000 | 42.351 | -5.9 | 101 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 86 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 33.184 | 17.0 | 67 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 45.542 | -13.9 | 99 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 46.162 | -15.4 | 100 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 40.056 | -0.1 | 84 | 0.00 |
| 68 | | Atrazine | 40.000 | 41.006 | -2.5 | 89 | 0.01 |
| 69 | C | Pentachlorophenol | 40.000 | 38.620 | 3.5 | 74 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 36.771 | 8.1 | 76 | 0.00 |
| 71 | | Anthracene | 40.000 | 49.207 | -23.0 | 101 | 0.00 |
| 72 | | Carbazole | 40.000 | 41.754 | -4.4 | 90 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 45.871 | -14.7 | 93 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 42.146 | -5.4 | 90 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 58 | -0.01 |
| 76 | | Benzidine | 40.000 | 44.119 | -10.3 | 60 | 0.00 |
| 77 | | Pyrene | 40.000 | 54.064 | -35.2# | 84 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 110.821 | -38.5# | 88 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 56.655 | -41.6# | 77 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 45.952 | -14.9 | 67 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 51.377 | -28.4# | 79 | 0.00 |
| 82 | | Chrysene | 40.000 | 50.585 | -26.5# | 81 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 57.194 | -43.0# | 84 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 50.191 | -25.5# | 74 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 66.053 | -65.1# | 99 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 36.020 | 9.9 | 70 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122816\
Data File : BF092014.D
Acq On : 29 Dec 2016 00:21
Operator : UM/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Dec 29 02:45:31 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 28 17:32:10 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 | 39.876 | 0.3 | 86 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 39.571 | 1.1 | 81 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 49.014 | -22.5 | 100 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 48.793 | -22.0 | 100 | 0.00 |

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