# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
Data File : BF091260.D
Acq On : 21 Nov 2016 23:09
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF112116

Quant Time: Nov 22 10:35:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 10:25:16 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 | 119 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.326 | 1.7 | 120 | 0.00 |
| 3 | | Pyridine | 40.000 | 45.936 | -14.8 | 125 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 43.011 | -7.5 | 123 | 0.01 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.800 | -1.0 | 121 | 0.00 |
| 6 | | Aniline | 40.000 | 41.894 | -4.7 | 121 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 79.192 | 1.0 | 115 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.565 | -3.9 | 127 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 46.627 | -16.6 | 135 | 0.00 |
| 10 | C | Phenol | 40.000 | 40.093 | -0.2 | 117 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 41.407 | -3.5 | 125 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 43.758 | -9.4 | 129 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 42.115 | -5.3 | 127 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.454 | 3.9 | 115 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 45.156 | -12.9 | 130 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.913 | 5.2 | 116 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 44.366 | -10.9 | 124 | 0.01 |
| 18 | | Hexachloroethane | 40.000 | 42.585 | -6.5 | 126 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.823 | -7.1 | 138 | 0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 44.366 | -10.9 | 124 | 0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 120 | 0.00 |
| 22 | | Acetophenone | 40.000 | 40.660 | -1.6 | 125 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 79.253 | 0.9 | 117 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 45.240 | -13.1 | 144 | 0.01 |
| 25 | | Isophorone | 40.000 | 39.508 | 1.2 | 120 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.830 | -4.6 | 120 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.567 | 1.1 | 118 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.832 | -7.1 | 124 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.668 | -4.2 | 117 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.264 | -3.2 | 127 | 0.01 |
| 31 | | Naphthalene | 40.000 | 38.971 | 2.6 | 117 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.842 | -4.6 | 126 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 42.828 | -7.1 | 127 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.288 | -5.7 | 131 | 0.00 |
| 35 | | Caprolactam | 40.000 | 40.595 | -1.5 | 125 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.572 | -1.4 | 122 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.097 | -2.7 | 127 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 120 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.142 | 4.6 | 121 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 42.720 | -6.8 | 136 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 78.923 | 1.3 | 126 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 42.053 | -5.1 | 125 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 41.449 | -3.6 | 130 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 82.258 | -2.8 | 117 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
Data File : BF091260.D
Acq On : 21 Nov 2016 23:09
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF112116

Quant Time: Nov 22 10:35:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 10:25:16 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 | 36.943 | 7.6 | 121 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 37.021 | 7.4 | 116 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 46.003 | -15.0 | 138 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 38.616 | 3.5 | 119 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 39.840 | 0.4 | 120 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 37.953 | 5.1 | 114 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 37.241 | 6.9 | 114 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 42.079 | -5.2 | 116 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 48.426 | -21.1 | 161 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 37.017 | 7.5 | 115 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 43.646 | -9.1 | 133 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 44.697 | -11.7 | 144 | 0.00 |
| 57 | | Fluorene | 40.000 | 37.980 | 5.1 | 115 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.123 | -2.8 | 124 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 41.397 | -3.5 | 137 | 0.01 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.191 | -3.0 | 132 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 41.830 | -4.6 | 120 | 0.00 |
| 62 | | Azobenzene | 40.000 | 40.860 | -2.1 | 132 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 124 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 42.854 | -7.1 | 133 | 0.01 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 43.108 | -7.8 | 137 | 0.01 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 39.674 | 0.8 | 125 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 43.471 | -8.7 | 131 | 0.00 |
| 68 | | Atrazine | 40.000 | 31.079 | 22.3 | 112 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 43.804 | -9.5 | 128 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.740 | 0.6 | 134 | 0.01 |
| 71 | | Anthracene | 40.000 | 38.462 | 3.8 | 117 | 0.00 |
| 72 | | Carbazole | 40.000 | 37.342 | 6.6 | 119 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.289 | -3.2 | 123 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 38.717 | 3.2 | 119 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 118 | 0.01 |
| 76 | | Benzidine | 40.000 | 34.532 | 13.7 | 91 | 0.00 |
| 77 | | Pyrene | 40.000 | 42.399 | -6.0 | 129 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 76.550 | 4.3 | 114 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 44.096 | -10.2 | 123 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 41.105 | -2.8 | 127 | 0.01 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 41.776 | -4.4 | 117 | 0.00 |
| 82 | | Chrysene | 40.000 | 41.870 | -4.7 | 122 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 40.851 | -2.1 | 122 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.029 | -5.1 | 127 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 45.518 | -13.8 | 144 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 126 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 35.994 | 10.0 | 123 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112116\
Data File : BF091260.D
Acq On : 21 Nov 2016 23:09
Operator : UM/SJ
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_F
**ClientSampleId :** ICVBF112116

Quant Time: Nov 22 10:35:42 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 10:25:16 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 | 36.699 | 8.3 | 127 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 38.210 | 4.5 | 125 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 45.839 | -14.6 | 144 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 47.836 | -19.6 | 151 | 0.00 |

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