# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021317\
Data File : BF092918.D
Acq On : 13 Feb 2017 15:15
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 13 18:11:18 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 117 | 0.00 |
| 2 | | 1,4-Dioxane | 0.630 | 0.589 | 6.5 | 112 | 0.00 |
| 3 | | Pyridine | 1.602 | 1.654 | -3.2 | 119 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.752 | 0.789 | -4.9 | 122 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.166 | 1.073 | 8.0 | 103 | 0.00 |
| 6 | | Aniline | 2.046 | 2.119 | -3.6 | 125 | 0.00 |
| 7 | S | Phenol-d6 | 1.500 | 1.569 | -4.6 | 122 | 0.00 |
| 8 | | 2-Chlorophenol | 1.286 | 1.258 | 2.2 | 114 | 0.00 |
| 9 | | Benzaldehyde | 1.075 | 0.891 | 17.1 | 95 | 0.00 |
| 10 | C | Phenol | 1.755 | 1.813 | -3.3 | 127 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.401 | 1.300 | 7.2 | 114 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.506 | 1.531 | -1.7 | 122 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.525 | 1.477 | 3.1 | 117 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.458 | 1.472 | -1.0 | 117 | 0.00 |
| 15 | | Benzyl Alcohol | 1.110 | 1.124 | -1.3 | 122 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.434 | 2.553 | -4.9 | 124 | 0.00 |
| 17 | | 2-Methylphenol | 1.103 | 1.140 | -3.4 | 115 | 0.00 |
| 18 | | Hexachloroethane | 0.520 | 0.516 | 0.8 | 115 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.955 | 0.954 | 0.1 | 128 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.319 | 1.387 | -5.2 | 120 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 116 | 0.00 |
| 22 | | Acetophenone | 0.457 | 0.429 | 6.1 | 112 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.359 | 0.346 | 3.6 | 110 | 0.00 |
| 24 | | Nitrobenzene | 0.369 | 0.390 | -5.7 | 131 | 0.00 |
| 25 | | Isophorone | 0.669 | 0.691 | -3.3 | 122 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.175 | 0.189 | -8.0 | 116 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.308 | 0.317 | -2.9 | 114 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.443 | 0.464 | -4.7 | 122 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.272 | 5.2 | 115 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.309 | 0.294 | 4.9 | 113 | 0.00 |
| 31 | | Naphthalene | 1.014 | 0.943 | 7.0 | 111 | 0.00 |
| 32 | | Benzoic acid | 0.156 | 0.164 | -5.1 | 110 | 0.00 |
| 33 | | 4-Chloroaniline | 0.398 | 0.425 | -6.8 | 122 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.170 | 0.161 | 5.3 | 110 | 0.00 |
| 35 | | Caprolactam | 0.090 | 0.092 | -2.2 | 111 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.299 | 0.285 | 4.7 | 109 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.651 | 0.669 | -2.8 | 119 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 124 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.561 | 0.503 | 10.3 | 113 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.253 | 0.240 | 5.1 | 116 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 0.145 | 0.141 | 2.8 | 112 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.369 | 0.343 | 7.0 | 109 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.404 | 0.399 | 1.2 | 127 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.104 | 1.013 | 8.2 | 108 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021317\
Data File : BF092918.D
Acq On : 13 Feb 2017 15:15
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 13 18:11:18 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.448 | 1.257 | 13.2 | 104 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.133 | 1.075 | 5.1 | 111 | 0.00 |
| 47 | | 2-Nitroaniline | 0.381 | 0.366 | 3.9 | 128 | 0.00 |
| 48 | | Acenaphthylene | 1.957 | 1.852 | 5.4 | 127 | 0.00 |
| 49 | | Dimethylphthalate | 1.347 | 1.258 | 6.6 | 116 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.291 | 0.267 | 8.2 | 111 | 0.00 |
| 51 | C | Acenaphthene | 1.170 | 1.142 | 2.4 | 128 | 0.00 |
| 52 | | 3-Nitroaniline | 0.333 | 0.287 | 13.8 | 101 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.130 | 0.143 | -10.0 | 130 | 0.00 |
| 54 | | Dibenzofuran | 1.565 | 1.486 | 5.0 | 127 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.240 | 0.258 | -7.5 | 135 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.387 | 0.401 | -3.6 | 115 | 0.00 |
| 57 | | Fluorene | 1.204 | 1.207 | -0.2 | 128 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.270 | 0.265 | 1.9 | 109 | 0.00 |
| 59 | | Diethylphthalate | 1.270 | 1.245 | 2.0 | 119 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.578 | 0.539 | 6.7 | 119 | 0.00 |
| 61 | | 4-Nitroaniline | 0.341 | 0.322 | 5.6 | 118 | 0.00 |
| 62 | | Azobenzene | 1.312 | 1.300 | 0.9 | 124 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.103 | 0.136 | -32.0# | 135 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.639 | 0.659 | -3.1 | 122 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.209 | 0.218 | -4.3 | 128 | 0.00 |
| 67 | | Hexachlorobenzene | 0.206 | 0.208 | -1.0 | 123 | 0.00 |
| 68 | | Atrazine | 0.205 | 0.219 | -6.8 | 136 | 0.00 |
| 69 | C | Pentachlorophenol | 0.089 | 0.119 | -33.7# | 151# | 0.00 |
| 70 | | Phenanthrene | 1.146 | 1.141 | 0.4 | 118 | 0.00 |
| 71 | | Anthracene | 1.151 | 1.034 | 10.2 | 110 | 0.00 |
| 72 | | Carbazole | 1.100 | 1.041 | 5.4 | 107 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.190 | 1.189 | 0.1 | 120 | 0.00 |
| 74 | C | Fluoranthene | 1.182 | 1.167 | 1.3 | 115 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 76 | | Benzidine | 0.852 | 0.726 | 14.8 | 102 | 0.00 |
| 77 | | Pyrene | 1.497 | 1.496 | 0.1 | 113 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.851 | 0.753 | 11.5 | 110 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.608 | 0.645 | -6.1 | 126 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.223 | 1.214 | 0.7 | 117 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.436 | 0.447 | -2.5 | 119 | 0.00 |
| 82 | | Chrysene | 1.145 | 1.193 | -4.2 | 115 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.831 | 0.807 | 2.9 | 111 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.354 | 1.529 | -12.9 | 128 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 0.887 | 1.173 | -32.2# | 166# | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 146 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.316 | 1.131 | 14.1 | 118 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021317\
Data File : BF092918.D
Acq On : 13 Feb 2017 15:15
Operator : SJ/MA
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 13 18:11:18 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 13 18:04:38 2017
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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.137 | 1.139 | -0.2 | 159# | 0.00 |
| 89 C | Benzo(a)pyrene | 1.139 | 1.132 | 0.6 | 145 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 0.920 | 0.959 | -4.2 | 161# | 0.00 |
| 91 | Benzo(g,h,i)perylene | 0.930 | 1.007 | -8.3 | 168# | 0.00 |

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