# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF032718\
Data File : BF103995.D
Acq On : 28 Mar 2018 3:38
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 28 07:11:58 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 2 | | 1,4-Dioxane | 0.647 | 0.542 | 16.2 | 70 | -0.04 |
| 3 | | Pyridine | 1.781 | 1.377 | 22.7 | 66 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.657 | 0.410 | 37.6# | 53 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.315 | 1.259 | 4.3 | 81 | 0.00 |
| 6 | | Aniline | 2.297 | 1.977 | 13.9 | 72 | 0.00 |
| 7 | S | Phenol-d6 | 1.609 | 1.491 | 7.3 | 79 | 0.00 |
| 8 | | 2-Chlorophenol | 1.377 | 1.353 | 1.7 | 82 | 0.00 |
| 9 | | Benzaldehyde | 1.057 | 0.830 | 21.5 | 67 | 0.00 |
| 10 | C | Phenol | 1.709 | 1.664 | 2.6 | 83 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.411 | 1.219 | 13.6 | 74 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.569 | 1.517 | 3.3 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.576 | 1.577 | -0.1 | 85 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.463 | 1.427 | 2.5 | 84 | 0.00 |
| 15 | | Benzyl Alcohol | 1.246 | 1.054 | 15.4 | 71 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.007 | 1.598 | 20.4 | 68 | 0.00 |
| 17 | | 2-Methylphenol | 1.227 | 1.134 | 7.6 | 78 | 0.00 |
| 18 | | Hexachloroethane | 0.555 | 0.416 | 25.0# | 63 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.031 | 0.880 | 14.6 | 73 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.557 | 1.407 | 9.6 | 76 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 82 | 0.00 |
| 22 | | Acetophenone | 0.514 | 0.475 | 7.6 | 77 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.287 | 0.327 | -13.9 | 90 | 0.00 |
| 24 | | Nitrobenzene | 0.337 | 0.334 | 0.9 | 78 | 0.00 |
| 25 | | Isophorone | 0.664 | 0.600 | 9.6 | 76 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.110 | 0.139 | -26.4# | 101 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.284 | 0.257 | 9.5 | 75 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.402 | 0.380 | 5.5 | 79 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.259 | 0.268 | -3.5 | 83 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.300 | 0.299 | 0.3 | 83 | 0.00 |
| 31 | | Naphthalene | 1.010 | 0.950 | 5.9 | 79 | 0.00 |
| 32 | | Benzoic acid | 0.171 | 0.169 | 1.2 | 80 | 0.00 |
| 33 | | 4-Chloroaniline | 0.424 | 0.420 | 0.9 | 81 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.165 | 0.165 | 0.0 | 83 | 0.00 |
| 35 | | Caprolactam | 0.089 | 0.086 | 3.4 | 79 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.285 | 0.280 | 1.8 | 79 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.641 | 0.618 | 3.6 | 80 | 0.00 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.571 | 0.625 | -9.5 | 86 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 0.294 | 0.032# | 89.1# | 8# | -0.01 |
| 41 | S | 2,4,6-Tribromophenol | 0.172 | 0.188 | -9.3 | 80 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 0.365 | 0.396 | -8.5 | 81 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 0.412 | 0.448 | -8.7 | 81 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 1.254 | 1.300 | -3.7 | 85 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF032718\
Data File : BF103995.D
Acq On : 28 Mar 2018 3:38
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 28 07:11:58 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.668 | 1.719 | -3.1 | 82 | 0.00 |
| 46 | | 2-Chloronaphthalene | 1.325 | 1.351 | -2.0 | 81 | 0.00 |
| 47 | | 2-Nitroaniline | 0.309 | 0.412 | -33.3# | 99 | 0.00 |
| 48 | | Acenaphthylene | 2.054 | 2.028 | 1.3 | 79 | 0.00 |
| 49 | | Dimethylphthalate | 1.526 | 1.630 | -6.8 | 84 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 0.274 | 0.314 | -14.6 | 85 | 0.00 |
| 51 | C | Acenaphthene | 1.220 | 1.166 | 4.4 | 75 | 0.00 |
| 52 | | 3-Nitroaniline | 0.331 | 0.428 | -29.3# | 95 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.057 | 0.008# | 86.0# | 12# | 0.01 |
| 54 | | Dibenzofuran | 1.742 | 1.692 | 2.9 | 77 | 0.00 |
| 55 | P | 4-Nitrophenol | 0.245 | 0.207 | 15.5 | 62 | 0.01 |
| 56 | | 2,4-Dinitrotoluene | 0.336 | 0.379 | -12.8 | 82 | 0.00 |
| 57 | | Fluorene | 1.352 | 1.342 | 0.7 | 79 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.292 | 0.297 | -1.7 | 74 | 0.00 |
| 59 | | Diethylphthalate | 1.514 | 1.526 | -0.8 | 79 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 0.618 | 0.632 | -2.3 | 82 | 0.00 |
| 61 | | 4-Nitroaniline | 0.319 | 0.418 | -31.0# | 97 | 0.00 |
| 62 | | Azobenzene | 1.540 | 1.305 | 15.3 | 67 | 0.00 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 71 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.065 | 0.013 | 80.0# | 14# | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 0.681 | 0.759 | -11.5 | 79 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 0.205 | 0.241 | -17.6 | 82 | 0.00 |
| 67 | | Hexachlorobenzene | 0.234 | 0.252 | -7.7 | 76 | 0.00 |
| 68 | | Atrazine | 0.211 | 0.192 | 9.0 | 64 | 0.00 |
| 69 | C | Pentachlorophenol | 0.135 | 0.138 | -2.2 | 68 | 0.00 |
| 70 | | Phenanthrene | 1.094 | 1.080 | 1.3 | 71 | 0.00 |
| 71 | | Anthracene | 1.111 | 1.103 | 0.7 | 71 | 0.00 |
| 72 | | Carbazole | 1.080 | 1.036 | 4.1 | 68 | 0.00 |
| 73 | | Di-n-butylphthalate | 1.296 | 1.385 | -6.9 | 75 | -0.01 |
| 74 | C | Fluoranthene | 1.127 | 0.988 | 12.3 | 62 | 0.00 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 58 | 0.00 |
| 76 | | Benzidine | 0.853 | 0.764 | 10.4 | 51 | 0.00 |
| 77 | | Pyrene | 1.469 | 1.480 | -0.7 | 60 | 0.00 |
| 78 | S | Terphenyl-d14 | 0.862 | 0.924 | -7.2 | 65 | 0.00 |
| 79 | | Butylbenzylphthalate | 0.651 | 0.753 | -15.7 | 65 | 0.00 |
| 80 | | Benzo(a)anthracene | 1.266 | 1.258 | 0.6 | 58 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 0.423 | 0.456 | -7.8 | 59 | 0.00 |
| 82 | | Chrysene | 1.207 | 1.210 | -0.2 | 59 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.930 | 1.007 | -8.3 | 60 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 1.352 | 1.570 | -16.1 | 62 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.054 | 1.031 | 2.2 | 56 | 0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 58 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 1.264 | 1.286 | -1.7 | 60 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA F\Data\BF032718\
Data File : BF103995.D
Acq On : 28 Mar 2018 3:38
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 28 07:11:58 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 23 13:26:17 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 1.215 | 1.205 | 0.8 | 57 | 0.01 |
| 89 C | Benzo(a)pyrene | 1.146 | 1.144 | 0.2 | 58 | 0.01 |
| 90 | Dibenzo(a,h)anthracene | 0.992 | 0.966 | 2.6 | 57 | 0.01 |
| 91 | Benzo(g,h,i)perylene | 0.965 | 0.903 | 6.4 | 56 | 0.02 |

(#) = Out of Range SPCC's out = 2 CCC's out = 1