# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040820\
Data File : BF119849.D
Acq On : 9 Apr 2020 3:05
Operator : MA/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 09 03:47:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 09 01:21:19 2020
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 | 112 | 0.00 |
| 2 | | 1,4-Dioxane | 0.515 | 0.462 | 10.3 | 99 | 0.00 |
| 3 | | Pyridine | 1.414 | 1.241 | 12.2 | 101 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.723 | 0.643 | 11.1 | 102 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.157 | 1.082 | 6.5 | 107 | 0.00 |
| 6 | | Aniline | 1.957 | 1.921 | 1.8 | 111 | 0.00 |
| 7 | S | Phenol-d6 | 1.491 | 1.396 | 6.4 | 104 | 0.00 |
| 8 | | 2-Chlorophenol | 1.293 | 1.270 | 1.8 | 111 | 0.00 |
| 9 | | Benzaldehyde | 0.824 | 0.767 | 6.9 | 107 | 0.00 |
| 10 | C | Phenol | 1.692 | 1.644 | 2.8 | 110 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.306 | 1.281 | 1.9 | 111 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.416 | 1.361 | 3.9 | 109 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.442 | 1.362 | 5.5 | 109 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.329 | 1.232 | 7.3 | 104 | 0.00 |
| 15 | | Benzyl Alcohol | 1.158 | 1.047 | 9.6 | 102 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.542 | 2.332 | 8.3 | 102 | 0.00 |
| 17 | | 2-Methylphenol | 1.154 | 1.037 | 10.1 | 101 | 0.00 |
| 18 | | Hexachloroethane | 0.539 | 0.487 | 9.6 | 102 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.959 | 0.913 | 4.8 | 104 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.411 | 1.315 | 6.8 | 101 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 22 | | Acetophenone | 0.468 | 0.446 | 4.7 | 102 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.387 | 0.374 | 3.4 | 107 | 0.00 |
| 24 | | Nitrobenzene | 0.389 | 0.370 | 4.9 | 105 | 0.00 |
| 25 | | Isophorone | 0.745 | 0.713 | 4.3 | 100 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.194 | 0.198 | -2.1 | 103 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.293 | 0.276 | 5.8 | 99 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.439 | 0.438 | 0.2 | 109 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.300 | 0.280 | 6.7 | 103 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.340 | 0.326 | 4.1 | 107 | 0.00 |
| 31 | | Naphthalene | 1.052 | 0.989 | 6.0 | 105 | 0.00 |
| 32 | | Benzoic acid | 0.257 | 0.241 | 6.2 | 104 | 0.00 |
| 33 | | 4-Chloroaniline | 0.458 | 0.414 | 9.6 | 103 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.204 | 0.196 | 3.9 | 106 | 0.00 |
| 35 | | Caprolactam | 0.092 | 0.092 | 0.0 | 113 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.325 | 0.332 | -2.2 | 114 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.713 | 0.718 | -0.7 | 113 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.672 | 0.673 | -0.1 | 105 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 111 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.632 | 0.624 | 1.3 | 105 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.359 | 0.357 | 0.6 | 106 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.245 | 0.232 | 5.3 | 102 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.436 | 0.394 | 9.6 | 101 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.491 | 0.458 | 6.7 | 99 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040820\
Data File : BF119849.D
Acq On : 9 Apr 2020 3:05
Operator : MA/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 09 03:47:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 09 01:21:19 2020
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 | S | 2-Fluorobiphenyl | 1.409 | 1.341 | 4.8 | 102 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.688 | 1.634 | 3.2 | 105 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.300 | 1.200 | 7.7 | 103 | 0.00 |
| 48 | | 2-Nitroaniline | 0.471 | 0.436 | 7.4 | 106 | 0.00 |
| 49 | | Acenaphthylene | 1.978 | 1.919 | 3.0 | 109 | 0.00 |
| 50 | | Dimethylphthalate | 1.547 | 1.443 | 6.7 | 106 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.339 | 0.318 | 6.2 | 106 | 0.00 |
| 52 | C | Acenaphthene | 1.319 | 1.267 | 3.9 | 110 | 0.00 |
| 53 | | 3-Nitroaniline | 0.387 | 0.373 | 3.6 | 113 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.203 | 0.189 | 6.9 | 105 | 0.00 |
| 55 | | Dibenzofuran | 1.810 | 1.681 | 7.1 | 105 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.288 | 0.275 | 4.5 | 109 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.446 | 0.411 | 7.8 | 105 | 0.00 |
| 58 | | Fluorene | 1.448 | 1.317 | 9.0 | 107 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.376 | 0.349 | 7.2 | 105 | 0.00 |
| 60 | | Diethylphthalate | 1.603 | 1.462 | 8.8 | 105 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.742 | 0.663 | 10.6 | 104 | 0.00 |
| 62 | | 4-Nitroaniline | 0.369 | 0.356 | 3.5 | 109 | 0.00 |
| 63 | | Azobenzene | 1.437 | 1.431 | 0.4 | 112 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 109 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.132 | 0.128 | 3.0 | 104 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.665 | 0.698 | -5.0 | 116 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.249 | 0.240 | 3.6 | 103 | 0.00 |
| 68 | | Hexachlorobenzene | 0.252 | 0.252 | 0.0 | 108 | 0.00 |
| 69 | | Atrazine | 0.185 | 0.181 | 2.2 | 102 | 0.00 |
| 70 | C | Pentachlorophenol | 0.145 | 0.141 | 2.8 | 101 | 0.00 |
| 71 | | Phenanthrene | 1.064 | 0.997 | 6.3 | 103 | 0.00 |
| 72 | | Anthracene | 1.087 | 1.026 | 5.6 | 102 | 0.00 |
| 73 | | Carbazole | 1.028 | 0.962 | 6.4 | 102 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.352 | 1.309 | 3.2 | 103 | 0.00 |
| 75 | C | Fluoranthene | 1.148 | 1.077 | 6.2 | 105 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 121 | 0.00 |
| 77 | | Benzidine | 0.676 | 0.480 | 29.0# | 89 | 0.00 |
| 78 | | Pyrene | 1.686 | 1.638 | 2.8 | 108 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.189 | 1.098 | 7.7 | 102 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.818 | 0.767 | 6.2 | 108 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.316 | 1.206 | 8.4 | 113 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.491 | 0.466 | 5.1 | 114 | 0.00 |
| 83 | | Chrysene | 1.337 | 1.275 | 4.6 | 118 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 1.108 | 1.038 | 6.3 | 114 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.886 | 1.811 | 4.0 | 117 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.178 | 1.094 | 7.1 | 105 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 129 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF040820\
Data File : BF119849.D
Acq On : 9 Apr 2020 3:05
Operator : MA/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 09 03:47:55 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 09 01:21:19 2020
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(b)fluoranthene | 1.439 | 1.251 | 13.1 | 120 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.241 | 1.049 | 15.5 | 96 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.210 | 1.142 | 5.6 | 123 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.072 | 0.947 | 11.7 | 103 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.058 | 0.880 | 16.8 | 102 | 0.00 |

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