# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF102918\
Data File : BF110266.D
Acq On : 29 Oct 2018 17:03
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 29 17:31:18 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 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 | 66 | 0.00 |
| 2 | | 1,4-Dioxane | 0.643 | 0.611 | 5.0 | 64 | 0.02 |
| 3 | | Pyridine | 1.433 | 1.344 | 6.2 | 60 | 0.01 |
| 4 | | n-Nitrosodimethylamine | 0.600 | 0.589 | 1.8 | 63 | 0.02 |
| 5 | S | 2-Fluorophenol | 1.228 | 1.225 | 0.2 | 66 | 0.00 |
| 6 | | Aniline | 2.046 | 1.997 | 2.4 | 64 | 0.00 |
| 7 | S | Phenol-d6 | 1.571 | 1.525 | 2.9 | 65 | 0.00 |
| 8 | | 2-Chlorophenol | 1.416 | 1.417 | -0.1 | 66 | 0.00 |
| 9 | | Benzaldehyde | 0.954 | 0.860 | 9.9 | 60 | 0.00 |
| 10 | C | Phenol | 1.679 | 1.674 | 0.3 | 66 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.381 | 1.327 | 3.9 | 64 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.558 | 1.565 | -0.4 | 67 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.576 | 1.549 | 1.7 | 66 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.463 | 1.452 | 0.8 | 66 | 0.00 |
| 15 | | Benzyl Alcohol | 1.208 | 1.215 | -0.6 | 65 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.209 | 2.082 | 5.7 | 62 | 0.00 |
| 17 | | 2-Methylphenol | 1.128 | 1.108 | 1.8 | 65 | 0.00 |
| 18 | | Hexachloroethane | 0.577 | 0.571 | 1.0 | 66 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.008 | 0.979 | 2.9 | 65 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.459 | 1.447 | 0.8 | 65 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 65 | 0.00 |
| 22 | | Acetophenone | 0.461 | 0.458 | 0.7 | 66 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.337 | 0.340 | -0.9 | 65 | 0.00 |
| 24 | | Nitrobenzene | 0.348 | 0.351 | -0.9 | 65 | 0.00 |
| 25 | | Isophorone | 0.575 | 0.551 | 4.2 | 62 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.166 | 0.179 | -7.8 | 67 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.275 | 0.265 | 3.6 | 63 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.390 | 0.376 | 3.6 | 64 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.277 | 0.281 | -1.4 | 65 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.311 | 0.315 | -1.3 | 66 | 0.00 |
| 31 | | Naphthalene | 0.922 | 0.917 | 0.5 | 66 | 0.00 |
| 32 | | Benzoic acid | 0.212 | 0.159 | 25.0 | 47# | 0.00 |
| 33 | | 4-Chloroaniline | 0.415 | 0.407 | 1.9 | 65 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.173 | 0.179 | -3.5 | 69 | 0.00 |
| 35 | | Caprolactam | 0.097 | 0.094 | 3.1 | 62 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.300 | 0.297 | 1.0 | 64 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.610 | 0.606 | 0.7 | 66 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.589 | 0.583 | 1.0 | 65 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 65 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.623 | 0.629 | -1.0 | 66 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.319 | 0.281 | 11.9 | 54 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.198 | 0.199 | -0.5 | 65 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.402 | 0.404 | -0.5 | 64 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.425 | 0.431 | -1.4 | 65 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF102918\
Data File : BF110266.D
Acq On : 29 Oct 2018 17:03
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 29 17:31:18 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 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 | S | 2-Fluorobiphenyl | 1.274 | 1.326 | -4.1 | 68 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.809 | 1.789 | 1.1 | 66 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.327 | 1.319 | 0.6 | 65 | 0.00 |
| 48 | | 2-Nitroaniline | 0.402 | 0.397 | 1.2 | 63 | 0.00 |
| 49 | | Acenaphthylene | 1.916 | 1.897 | 1.0 | 65 | 0.00 |
| 50 | | Dimethylphthalate | 1.476 | 1.475 | 0.1 | 66 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.318 | 0.323 | -1.6 | 63 | 0.00 |
| 52 | C | Acenaphthene | 1.268 | 1.186 | 6.5 | 62 | 0.00 |
| 53 | | 3-Nitroaniline | 0.378 | 0.378 | 0.0 | 63 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.112 | 0.113 | -0.9 | 65 | 0.00 |
| 55 | | Dibenzofuran | 1.775 | 1.743 | 1.8 | 64 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.280 | 0.278 | 0.7 | 60 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.404 | 0.422 | -4.5 | 65 | 0.00 |
| 58 | | Fluorene | 1.321 | 1.295 | 2.0 | 65 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.346 | 0.347 | -0.3 | 64 | 0.00 |
| 60 | | Diethylphthalate | 1.441 | 1.446 | -0.3 | 66 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.697 | 0.686 | 1.6 | 65 | 0.00 |
| 62 | | 4-Nitroaniline | 0.376 | 0.377 | -0.3 | 64 | 0.00 |
| 63 | | Azobenzene | 1.431 | 1.399 | 2.2 | 64 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 65 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.091 | 0.093 | -2.2 | 64 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.656 | 0.651 | 0.8 | 65 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.217 | 0.213 | 1.8 | 64 | 0.00 |
| 68 | | Hexachlorobenzene | 0.230 | 0.229 | 0.4 | 65 | 0.00 |
| 69 | | Atrazine | 0.207 | 0.205 | 1.0 | 64 | 0.00 |
| 70 | C | Pentachlorophenol | 0.134 | 0.141 | -5.2 | 62 | 0.00 |
| 71 | | Phenanthrene | 1.046 | 1.014 | 3.1 | 65 | 0.00 |
| 72 | | Anthracene | 1.049 | 1.025 | 2.3 | 65 | 0.00 |
| 73 | | Carbazole | 1.024 | 1.004 | 2.0 | 65 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.157 | 1.179 | -1.9 | 66 | 0.00 |
| 75 | C | Fluoranthene | 1.062 | 1.042 | 1.9 | 65 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 63 | 0.00 |
| 77 | | Benzidine | 0.681 | 0.741 | -8.8 | 76 | 0.00 |
| 78 | | Pyrene | 1.434 | 1.469 | -2.4 | 65 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.962 | 1.012 | -5.2 | 68 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.622 | 0.656 | -5.5 | 65 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.186 | 1.179 | 0.6 | 62 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.413 | 0.407 | 1.5 | 61 | 0.00 |
| 83 | | Chrysene | 1.127 | 1.116 | 1.0 | 63 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.841 | 0.848 | -0.8 | 62 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.308 | 1.287 | 1.6 | 61 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 0.935 | 0.850 | 9.1 | 63 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 60 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF102918\
Data File : BF110266.D
Acq On : 29 Oct 2018 17:03
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 29 17:31:18 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 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(b)fluoranthene | 1.155 | 1.179 | -2.1 | 60 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.135 | 1.158 | -2.0 | 61 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.063 | 1.074 | -1.0 | 61 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 0.917 | 0.919 | -0.2 | 62 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 0.904 | 0.908 | -0.4 | 62 | 0.00 |

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