# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
Data File : BF115360.D
Acq On : 2 Jul 2019 15:29
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 03 08:54:23 2019
Quant Method : Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
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 | 124 | 0.00 |
| 2 | | 1,4-Dioxane | 0.612 | 0.562 | 8.2 | 111 | 0.04 |
| 3 | | Pyridine | 1.724 | 1.552 | 10.0 | 109 | 0.04 |
| 4 | | n-Nitrosodimethylamine | 0.676 | 0.586 | 13.3 | 106 | 0.05 |
| 5 | S | 2-Fluorophenol | 1.296 | 1.203 | 7.2 | 111 | 0.01 |
| 6 | | Aniline | 2.162 | 1.910 | 11.7 | 105 | 0.01 |
| 7 | S | Phenol-d6 | 1.573 | 1.461 | 7.1 | 111 | 0.02 |
| 8 | | 2-Chlorophenol | 1.457 | 1.415 | 2.9 | 115 | 0.01 |
| 9 | | Benzaldehyde | 1.026 | 0.902 | 12.1 | 102 | 0.00 |
| 10 | C | Phenol | 1.843 | 1.644 | 10.8 | 107 | 0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.358 | 1.286 | 5.3 | 114 | 0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.617 | 1.580 | 2.3 | 117 | 0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.622 | 1.584 | 2.3 | 116 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.502 | 1.465 | 2.5 | 115 | 0.01 |
| 15 | | Benzyl Alcohol | 1.145 | 0.955 | 16.6 | 98 | 0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.970 | 1.809 | 8.2 | 111 | 0.00 |
| 17 | | 2-Methylphenol | 1.203 | 1.219 | -1.3 | 123 | 0.02 |
| 18 | | Hexachloroethane | 0.585 | 0.565 | 3.4 | 116 | 0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.007 | 0.900 | 10.6 | 108 | 0.02 |
| 20 | | 3+4-Methylphenols | 1.389 | 1.342 | 3.4 | 116 | 0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 123 | 0.01 |
| 22 | | Acetophenone | 0.458 | 0.449 | 2.0 | 117 | 0.01 |
| 23 | S | Nitrobenzene-d5 | 0.325 | 0.325 | 0.0 | 119 | 0.01 |
| 24 | | Nitrobenzene | 0.358 | 0.351 | 2.0 | 116 | 0.01 |
| 25 | | Isophorone | 0.666 | 0.626 | 6.0 | 114 | 0.02 |
| 26 | C | 2-Nitrophenol | 0.177 | 0.201 | -13.6 | 134 | 0.01 |
| 27 | | 2,4-Dimethylphenol | 0.290 | 0.281 | 3.1 | 115 | 0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.421 | 0.401 | 4.8 | 113 | 0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.299 | 0.300 | -0.3 | 118 | 0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.330 | 0.335 | -1.5 | 119 | 0.01 |
| 31 | | Naphthalene | 0.982 | 0.957 | 2.5 | 114 | 0.02 |
| 32 | | Benzoic acid | 0.207 | 0.174 | 15.9 | 117 | 0.04 |
| 33 | | 4-Chloroaniline | 0.449 | 0.439 | 2.2 | 116 | 0.01 |
| 34 | C | Hexachlorobutadiene | 0.181 | 0.184 | -1.7 | 119 | 0.01 |
| 35 | | Caprolactam | 0.100 | 0.099 | 1.0 | 120 | 0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.303 | 0.305 | -0.7 | 119 | 0.02 |
| 37 | | 2-Methylnaphthalene | 0.662 | 0.642 | 3.0 | 114 | 0.02 |
| 38 | | 1-Methylnaphthalene | 0.632 | 0.613 | 3.0 | 113 | 0.02 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 123 | 0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.565 | 0.585 | -3.5 | 120 | 0.02 |
| 41 | P | Hexachlorocyclopentadiene | 0.335 | 0.407 | -21.5 | 144 | 0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.211 | 0.220 | -4.3 | 123 | 0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 0.436 | 0.435 | 0.2 | 117 | 0.02 |
| 44 | | 2,4,5-Trichlorophenol | 0.449 | 0.477 | -6.2 | 128 | 0.02 |

Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
Data File : BF115360.D
Acq On : 2 Jul 2019 15:29
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 03 08:54:23 2019
Quant Method : Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
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 | 1.177 | 1.141 | 3.1 | 112 | 0.02 |
| 46 | | 1,1'-Biphenyl | 1.600 | 1.521 | 4.9 | 114 | 0.01 |
| 47 | | 2-Chloronaphthalene | 1.298 | 1.281 | 1.3 | 115 | 0.02 |
| 48 | | 2-Nitroaniline | 0.378 | 0.392 | -3.7 | 122 | 0.02 |
| 49 | | Acenaphthylene | 2.022 | 1.953 | 3.4 | 112 | 0.02 |
| 50 | | Dimethylphthalate | 1.471 | 1.488 | -1.2 | 118 | 0.02 |
| 51 | | 2,6-Dinitrotoluene | 0.340 | 0.351 | -3.2 | 122 | 0.02 |
| 52 | C | Acenaphthene | 1.266 | 1.145 | 9.6 | 106 | 0.02 |
| 53 | | 3-Nitroaniline | 0.415 | 0.417 | -0.5 | 119 | 0.02 |
| 54 | P | 2,4-Dinitrophenol | 0.150 | 0.191 | -27.3# | 155# | 0.02 |
| 55 | | Dibenzofuran | 1.816 | 1.686 | 7.2 | 111 | 0.02 |
| 56 | P | 4-Nitrophenol | 0.332 | 0.308 | 7.2 | 107 | 0.03 |
| 57 | | 2,4-Dinitrotoluene | 0.439 | 0.457 | -4.1 | 122 | 0.02 |
| 58 | | Fluorene | 1.352 | 1.192 | 11.8 | 112 | 0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.377 | 0.396 | -5.0 | 123 | 0.02 |
| 60 | | Diethylphthalate | 1.479 | 1.441 | 2.6 | 115 | 0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 0.645 | 0.582 | 9.8 | 114 | 0.02 |
| 62 | | 4-Nitroaniline | 0.416 | 0.428 | -2.9 | 121 | 0.02 |
| 63 | | Azobenzene | 1.382 | 1.306 | 5.5 | 111 | 0.02 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 123 | 0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.100 | 0.124 | -24.0 | 147 | 0.03 |
| 66 | c | n-Nitrosodiphenylamine | 0.623 | 0.603 | 3.2 | 113 | 0.02 |
| 67 | | 4-Bromophenyl-phenylether | 0.217 | 0.217 | 0.0 | 118 | 0.02 |
| 68 | | Hexachlorobenzene | 0.235 | 0.241 | -2.6 | 122 | 0.02 |
| 69 | | Atrazine | 0.200 | 0.194 | 3.0 | 113 | 0.02 |
| 70 | C | Pentachlorophenol | 0.150 | 0.151 | -0.7 | 116 | 0.02 |
| 71 | | Phenanthrene | 1.077 | 0.991 | 8.0 | 112 | 0.02 |
| 72 | | Anthracene | 1.087 | 1.011 | 7.0 | 112 | 0.03 |
| 73 | | Carbazole | 0.971 | 0.929 | 4.3 | 112 | 0.03 |
| 74 | | Di-n-butylphthalate | 1.122 | 1.085 | 3.3 | 113 | 0.02 |
| 75 | C | Fluoranthene | 1.074 | 1.023 | 4.7 | 111 | 0.03 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.04 |
| 77 | | Benzidine | 0.888 | 0.738 | 16.9 | 80 | 0.03 |
| 78 | | Pyrene | 1.537 | 1.725 | -12.2 | 110 | 0.03 |
| 79 | S | Terphenyl-d14 | 0.941 | 1.057 | -12.3 | 109 | 0.03 |
| 80 | | Butylbenzylphthalate | 0.678 | 0.788 | -16.2 | 114 | 0.03 |
| 81 | | Benzo(a)anthracene | 1.435 | 1.543 | -7.5 | 105 | 0.04 |
| 82 | | 3,3'-Dichlorobenzidine | 0.518 | 0.543 | -4.8 | 99 | 0.03 |
| 83 | | Chrysene | 1.315 | 1.461 | -11.1 | 108 | 0.04 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.889 | 0.971 | -9.2 | 107 | 0.03 |
| 85 | c | Di-n-octyl phthalate | 1.493 | 1.598 | -7.0 | 104 | 0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.556 | 1.265 | 18.7 | 77 | 0.06 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 91 | 0.04 |

Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
Data File : BF115360.D
Acq On : 2 Jul 2019 15:29
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 03 08:54:23 2019
Quant Method : Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
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 | 1.248 | 1.273 | -2.0 | 87 | 0.03 |
| 89 | Benzo(k)fluoranthene | 1.119 | 1.177 | -5.2 | 100 | 0.04 |
| 90 C | Benzo(a)pyrene | 1.125 | 1.131 | -0.5 | 88 | 0.04 |
| 91 | Dibenzo(a,h)anthracene | 1.050 | 0.969 | 7.7 | 78 | 0.06 |
| 92 | Benzo(g,h,i)perylene | 1.063 | 0.967 | 9.0 | 76 | 0.06 |

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