# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101918\
Data File : BM017245.D
Acq On : 20 Oct 2018 00:18
Operator : MJ/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC040

Quant Time: Oct 20 00:51:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM101718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 17 14:23:17 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 | 128 | -0.01 |
| 2 | | 1,4-Dioxane | 0.604 | 0.527 | 12.7 | 114 | 0.00 |
| 3 | | Pyridine | 1.389 | 1.362 | 1.9 | 119 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.558 | 0.526 | 5.7 | 122 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.182 | 1.163 | 1.6 | 122 | -0.01 |
| 6 | | Aniline | 2.014 | 2.069 | -2.7 | 126 | -0.01 |
| 7 | S | Phenol-d6 | 1.610 | 1.658 | -3.0 | 126 | -0.01 |
| 8 | | 2-Chlorophenol | 1.368 | 1.424 | -4.1 | 128 | -0.01 |
| 9 | | Benzaldehyde | 1.027 | 1.028 | -0.1 | 129 | -0.01 |
| 10 | C | Phenol | 1.733 | 1.743 | -0.6 | 124 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.382 | 1.406 | -1.7 | 127 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.595 | 1.569 | 1.6 | 125 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.629 | 1.612 | 1.0 | 126 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.570 | 1.571 | -0.1 | 126 | -0.01 |
| 15 | | Benzyl Alcohol | 1.177 | 1.357 | -15.3 | 138 | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.930 | 1.903 | 1.4 | 125 | -0.01 |
| 17 | | 2-Methylphenol | 1.113 | 1.192 | -7.1 | 131 | -0.02 |
| 18 | | Hexachloroethane | 0.558 | 0.570 | -2.2 | 128 | -0.01 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.060 | 1.219 | -15.0 | 136 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.522 | 1.678 | -10.2 | 133 | -0.01 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 135 | -0.01 |
| 22 | | Acetophenone | 0.507 | 0.503 | 0.8 | 131 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 0.342 | 0.368 | -7.6 | 134 | -0.01 |
| 24 | | Nitrobenzene | 0.362 | 0.373 | -3.0 | 129 | -0.01 |
| 25 | | Isophorone | 0.565 | 0.610 | -8.0 | 136 | -0.01 |
| 26 | C | 2-Nitrophenol | 0.156 | 0.185 | -18.6 | 154# | -0.01 |
| 27 | | 2,4-Dimethylphenol | 0.250 | 0.266 | -6.4 | 137 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.397 | 0.410 | -3.3 | 133 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.290 | 0.312 | -7.6 | 137 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.348 | 0.348 | 0.0 | 134 | -0.01 |
| 31 | | Naphthalene | 0.980 | 0.972 | 0.8 | 133 | -0.01 |
| 32 | | Benzoic acid | 0.186 | 0.228 | -22.6 | 168# | 0.01 |
| 33 | | 4-Chloroaniline | 0.423 | 0.451 | -6.6 | 137 | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.220 | 0.219 | 0.5 | 135 | -0.02 |
| 35 | | Caprolactam | 0.106 | 0.112 | -5.7 | 139 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.327 | 0.359 | -9.8 | 140 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.671 | 0.711 | -6.0 | 138 | -0.01 |
| 38 | | 1-Methylnaphthalene | 0.653 | 0.689 | -5.5 | 137 | -0.02 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 140 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.704 | 0.701 | 0.4 | 139 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 0.340 | 0.392 | -15.3 | 153# | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 0.270 | 0.290 | -7.4 | 149 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.409 | 0.452 | -10.5 | 143 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 0.438 | 0.476 | -8.7 | 143 | -0.01 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101918\
Data File : BM017245.D
Acq On : 20 Oct 2018 00:18
Operator : MJ/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC040

Quant Time: Oct 20 00:51:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM101718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 17 14:23:17 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 | S | 2-Fluorobiphenyl | 1.503 | 1.499 | 0.3 | 139 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.800 | 1.790 | 0.6 | 139 | -0.01 |
| 47 | | 2-Chloronaphthalene | 1.324 | 1.324 | 0.0 | 137 | -0.01 |
| 48 | | 2-Nitroaniline | 0.342 | 0.394 | -15.2 | 152# | 0.00 |
| 49 | | Acenaphthylene | 1.919 | 1.993 | -3.9 | 139 | -0.01 |
| 50 | | Dimethylphthalate | 1.543 | 1.593 | -3.2 | 140 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 0.340 | 0.361 | -6.2 | 144 | 0.00 |
| 52 | C | Acenaphthene | 1.205 | 1.215 | -0.8 | 139 | -0.01 |
| 53 | | 3-Nitroaniline | 0.368 | 0.383 | -4.1 | 141 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.162 | 0.195 | -20.4 | 163# | 0.00 |
| 55 | | Dibenzofuran | 2.004 | 1.972 | 1.6 | 138 | -0.01 |
| 56 | P | 4-Nitrophenol | 0.299 | 0.308 | -3.0 | 138 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.456 | 0.494 | -8.3 | 145 | 0.00 |
| 58 | | Fluorene | 1.483 | 1.487 | -0.3 | 138 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.400 | 0.436 | -9.0 | 144 | -0.01 |
| 60 | | Diethylphthalate | 1.530 | 1.625 | -6.2 | 141 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.846 | 0.855 | -1.1 | 139 | -0.01 |
| 62 | | 4-Nitroaniline | 0.381 | 0.395 | -3.7 | 139 | 0.00 |
| 63 | | Azobenzene | 1.487 | 1.522 | -2.4 | 135 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 137 | -0.01 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.116 | 0.141 | -21.6 | 161# | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.605 | 0.641 | -6.0 | 139 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.220 | 0.240 | -9.1 | 143 | 0.00 |
| 68 | | Hexachlorobenzene | 0.255 | 0.262 | -2.7 | 140 | -0.01 |
| 69 | | Atrazine | 0.217 | 0.230 | -6.0 | 141 | 0.00 |
| 70 | C | Pentachlorophenol | 0.175 | 0.187 | -6.9 | 141 | -0.01 |
| 71 | | Phenanthrene | 1.079 | 1.062 | 1.6 | 134 | -0.01 |
| 72 | | Anthracene | 1.025 | 1.053 | -2.7 | 135 | -0.01 |
| 73 | | Carbazole | 1.047 | 1.045 | 0.2 | 132 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.105 | 1.198 | -8.4 | 143 | -0.01 |
| 75 | C | Fluoranthene | 1.214 | 1.155 | 4.9 | 125 | -0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 108 | -0.01 |
| 77 | | Benzidine | 0.507 | 0.657 | -29.6# | 128 | -0.01 |
| 78 | | Pyrene | 1.118 | 1.346 | -20.4 | 123 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.887 | 1.045 | -17.8 | 123 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.384 | 0.521 | -35.7# | 143 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.125 | 1.142 | -1.5 | 107 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.419 | 0.436 | -4.1 | 108 | -0.01 |
| 83 | | Chrysene | 1.114 | 1.094 | 1.8 | 105 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.601 | 0.709 | -18.0 | 122 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.018 | 1.078 | -5.9 | 110 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.246 | 1.021 | 18.1 | 88 | -0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 93 | -0.02 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101918\
Data File : BM017245.D
Acq On : 20 Oct 2018 00:18
Operator : MJ/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 25 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC040

Quant Time: Oct 20 00:51:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM101718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Oct 17 14:23:17 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(b)fluoranthene | 1.093 | 1.108 | -1.4 | 93 | -0.01 |
| 89 | Benzo(k)fluoranthene | 1.097 | 1.147 | -4.6 | 95 | -0.01 |
| 90 C | Benzo(a)pyrene | 1.038 | 1.047 | -0.9 | 92 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 1.031 | 0.988 | 4.2 | 88 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 1.022 | 0.971 | 5.0 | 88 | -0.02 |

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