# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120518\
Data File : BG038366.D
Acq On : 5 Dec 2018 19:48
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Dec 06 04:09:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 04 17:15:40 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 58.627 | -46.6# | 128 | 0.00 |
| 3 | | Pyridine | 40.000 | 61.345 | -53.4# | 124 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 52.078 | -30.2# | 108 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 95.239 | -19.0 | 98 | 0.00 |
| 6 | | Aniline | 40.000 | 39.321 | 1.7 | 78 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 78.893 | 1.4 | 79 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 39.926 | 0.2 | 81 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.434 | 6.4 | 80 | 0.00 |
| 10 | C | Phenol | 40.000 | 39.530 | 1.2 | 79 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.390 | 4.0 | 76 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.730 | 0.7 | 79 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.070 | 4.8 | 78 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.551 | 1.1 | 81 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 39.947 | 0.1 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.727 | 5.7 | 83 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 39.272 | 1.8 | 83 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.557 | -1.4 | 81 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.757 | 0.6 | 87 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.168 | 4.6 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 129 | 0.00 |
| 22 | | Acetophenone | 40.000 | 27.724 | 30.7# | 88 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 53.932 | 32.6# | 83 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 26.752 | 33.1# | 83 | 0.00 |
| 25 | | Isophorone | 40.000 | 27.374 | 31.6# | 63 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 30.135 | 24.7# | 79 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 29.925 | 25.2# | 81 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 30.241 | 24.4 | 88 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 46.408 | -16.0 | 142 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 43.198 | -8.0 | 138 | 0.00 |
| 31 | | Naphthalene | 40.000 | 35.817 | 10.5 | 113 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 29.974 | 25.1# | 86 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 36.267 | 9.3 | 111 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 33.914 | 15.2 | 105 | 0.00 |
| 35 | | Caprolactam | 40.000 | 31.389 | 21.5 | 99 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 30.900 | 22.8# | 94 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 29.003 | 27.5# | 91 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 29.248 | 26.9# | 91 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 38.477 | 3.8 | 93 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.861 | 5.3 | 86 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.705 | -3.4 | 97 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.800 | 0.5 | 92 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.154 | -0.4 | 96 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120518\
Data File : BG038366.D
Acq On : 5 Dec 2018 19:48
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Dec 06 04:09:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 04 17:15:40 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 75.327 | 5.8 | 93 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 37.703 | 5.7 | 94 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 37.634 | 5.9 | 94 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 39.944 | 0.1 | 96 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 38.365 | 4.1 | 93 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.254 | 1.9 | 95 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 38.107 | 4.7 | 91 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 37.843 | 5.4 | 95 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 39.525 | 1.2 | 94 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 37.438 | 6.4 | 89 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 38.215 | 4.5 | 94 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 37.014 | 7.5 | 89 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 39.360 | 1.6 | 95 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.126 | 2.2 | 95 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.366 | -0.9 | 95 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 37.893 | 5.3 | 94 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.333 | 1.7 | 96 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 40.368 | -0.9 | 96 | 0.00 |
| 63 | | Azobenzene | 40.000 | 38.357 | 4.1 | 94 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 101 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 41.404 | -3.5 | 96 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.273 | -3.2 | 95 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 42.477 | -6.2 | 97 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 42.657 | -6.6 | 99 | 0.00 |
| 69 | | Atrazine | 40.000 | 41.799 | -4.5 | 96 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 41.837 | -4.6 | 95 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.046 | -0.1 | 97 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.985 | -2.5 | 97 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.915 | -2.3 | 96 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.553 | -1.4 | 92 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 39.887 | 0.3 | 92 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 77 | | Benzidine | 40.000 | 42.481 | -6.2 | 102 | 0.00 |
| 78 | | Pyrene | 40.000 | 36.478 | 8.8 | 93 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 74.833 | 6.5 | 94 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 38.855 | 2.9 | 94 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 38.761 | 3.1 | 93 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.555 | 1.1 | 92 | 0.00 |
| 83 | | Chrysene | 40.000 | 38.784 | 3.0 | 93 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 38.590 | 3.5 | 91 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 37.420 | 6.4 | 86 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.718 | 0.7 | 93 | 0.00 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 96 | 0.00 |

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG120518\
Data File : BG038366.D
Acq On : 5 Dec 2018 19:48
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_G
**LabSampleId :** SSTDCCC040

Quant Time: Dec 06 04:09:32 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 04 17:15:40 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 38.663 | 3.3 | 95 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 37.967 | 5.1 | 93 | 0.00 |
| 90 C | Benzo(a)pyrene | 40.000 | 38.469 | 3.8 | 80 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 39.338 | 1.7 | 91 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 39.168 | 2.1 | 98 | -0.02 |

(#) = Out of Range SPCC's out = 0 CCC's out = 2