# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031220\
Data File : BG044728.D
Acq On : 12 Mar 2020 10:11
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 13 06:44:34 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Mar 10 16:27:39 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 | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 35.675 | 10.8 | 89 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.471 | 8.8 | 90 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.789 | 0.5 | 97 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.277 | 7.2 | 93 | 0.00 |
| 6 | | Aniline | 40.000 | 36.814 | 8.0 | 93 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 73.984 | 7.5 | 94 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 37.038 | 7.4 | 96 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 35.187 | 12.0 | 93 | 0.00 |
| 10 | C | Phenol | 40.000 | 37.152 | 7.1 | 96 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 35.339 | 11.7 | 90 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.529 | 8.7 | 94 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 36.747 | 8.1 | 94 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.605 | 8.5 | 94 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 36.344 | 9.1 | 91 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 36.359 | 9.1 | 92 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 36.432 | 8.9 | 92 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 36.805 | 8.0 | 93 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 35.526 | 11.2 | 88 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 36.434 | 8.9 | 90 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 98 | 0.00 |
| 22 | | Acetophenone | 40.000 | 35.559 | 11.1 | 92 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 74.328 | 7.1 | 95 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 36.057 | 9.9 | 93 | 0.00 |
| 25 | | Isophorone | 40.000 | 35.001 | 12.5 | 90 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 38.860 | 2.9 | 102 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 35.504 | 11.2 | 92 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 36.085 | 9.8 | 92 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 37.091 | 7.3 | 94 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 36.019 | 10.0 | 94 | 0.00 |
| 31 | | Naphthalene | 40.000 | 36.167 | 9.6 | 93 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 38.496 | 3.8 | 109 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 35.727 | 10.7 | 93 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 37.214 | 7.0 | 95 | 0.00 |
| 35 | | Caprolactam | 40.000 | 36.856 | 7.9 | 91 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.893 | 10.3 | 90 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 36.336 | 9.2 | 92 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 36.473 | 8.8 | 92 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 99 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 35.575 | 11.1 | 93 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 35.927 | 10.2 | 95 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 75.250 | 5.9 | 97 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 36.518 | 8.7 | 95 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 36.121 | 9.7 | 95 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 72.817 | 9.0 | 93 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 35.836 | 10.4 | 93 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 35.536 | 11.2 | 93 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 38.411 | 4.0 | 100 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 35.838 | 10.4 | 93 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 36.436 | 8.9 | 95 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 37.077 | 7.3 | 94 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 36.277 | 9.3 | 96 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 37.478 | 6.3 | 94 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 36.887 | 7.8 | 102 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 36.264 | 9.3 | 94 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 37.474 | 6.3 | 97 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 38.513 | 3.7 | 98 | 0.00 |
| 58 | | Fluorene | 40.000 | 36.147 | 9.6 | 94 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 36.955 | 7.6 | 94 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 36.514 | 8.7 | 94 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 36.184 | 9.5 | 95 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 37.428 | 6.4 | 96 | 0.00 |
| 63 | | Azobenzene | 40.000 | 36.011 | 10.0 | 93 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 100 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 37.040 | 7.4 | 104 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 35.344 | 11.6 | 93 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 35.665 | 10.8 | 96 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 35.462 | 11.3 | 95 | 0.00 |
| 69 | | Atrazine | 40.000 | 38.101 | 4.7 | 96 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 38.191 | 4.5 | 98 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 37.064 | 7.3 | 98 | 0.00 |
| 72 | | Anthracene | 40.000 | 36.293 | 9.3 | 95 | 0.00 |
| 73 | | Carbazole | 40.000 | 36.533 | 8.7 | 96 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 37.091 | 7.3 | 95 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 36.911 | 7.7 | 96 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 103 | 0.00 |
| 77 | | Benzidine | 40.000 | 43.089 | -7.7 | 103 | 0.00 |
| 78 | | Pyrene | 40.000 | 36.272 | 9.3 | 97 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 71.435 | 10.7 | 98 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 36.739 | 8.2 | 97 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 35.964 | 10.1 | 96 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 37.083 | 7.3 | 97 | 0.00 |
| 83 | | Chrysene | 40.000 | 36.566 | 8.6 | 98 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 36.189 | 9.5 | 97 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 36.895 | 7.8 | 97 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 36.374 | 9.1 | 99 | -0.01 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 102 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 36.716 | 8.2 | 98 | 0.00 |
| 89 | Benzo(k)fluoranthene | 40.000 | 35.317 | 11.7 | 97 | -0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 36.555 | 8.6 | 99 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 36.036 | 9.9 | 98 | -0.01 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 36.100 | 9.7 | 98 | -0.02 |

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