# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG031920\
Data File : BG044900.D
Acq On : 19 Mar 2020 16:56
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 20 01:32:45 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 16 17:37:15 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 | 82 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 37.269 | 6.8 | 77 | 0.00 |
| 3 | | Pyridine | 40.000 | 35.138 | 12.2 | 71 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 37.362 | 6.6 | 75 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 74.856 | 6.4 | 77 | 0.00 |
| 6 | | Aniline | 40.000 | 34.713 | 13.2 | 72 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 72.790 | 9.0 | 76 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 36.872 | 7.8 | 78 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 31.016 | 22.5 | 69 | 0.00 |
| 10 | C | Phenol | 40.000 | 35.638 | 10.9 | 75 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 33.910 | 15.2 | 71 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 36.942 | 7.6 | 78 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 37.004 | 7.5 | 78 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 36.483 | 8.8 | 77 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 35.145 | 12.1 | 73 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 30.196 | 24.5 | 63 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 36.304 | 9.2 | 76 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 36.320 | 9.2 | 76 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 32.939 | 17.7 | 67 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 35.092 | 12.3 | 72 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 78 | 0.00 |
| 22 | | Acetophenone | 40.000 | 35.096 | 12.3 | 72 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 75.271 | 5.9 | 76 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 35.888 | 10.3 | 73 | 0.00 |
| 25 | | Isophorone | 40.000 | 33.867 | 15.3 | 69 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.496 | -8.7 | 92 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 35.419 | 11.5 | 72 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 34.634 | 13.4 | 70 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 38.132 | 4.7 | 76 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.277 | 4.3 | 79 | 0.00 |
| 31 | | Naphthalene | 40.000 | 36.271 | 9.3 | 74 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 36.200 | 9.5 | 79 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 34.969 | 12.6 | 72 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.271 | 1.8 | 79 | 0.00 |
| 35 | | Caprolactam | 40.000 | 36.969 | 7.6 | 72 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 35.470 | 11.3 | 71 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 35.680 | 10.8 | 71 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 35.757 | 10.6 | 72 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 76 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 37.755 | 5.6 | 76 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.907 | 2.7 | 79 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 83.720 | -4.6 | 83 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.015 | -0.0 | 80 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.017 | -0.0 | 81 | 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 | 76.142 | 4.8 | 75 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 36.539 | 8.7 | 73 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 36.588 | 8.5 | 73 | 0.00 |
| 48 | | 2-Nitroaniline | 40.000 | 38.905 | 2.7 | 78 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 36.410 | 9.0 | 73 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 36.470 | 8.8 | 73 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 39.997 | 0.0 | 78 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 37.585 | 6.0 | 76 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 37.432 | 6.4 | 72 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 44.395 | -11.0 | 99 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 36.886 | 7.8 | 73 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.546 | 3.6 | 77 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.711 | -4.3 | 82 | 0.00 |
| 58 | | Fluorene | 40.000 | 36.832 | 7.9 | 74 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.453 | -1.1 | 80 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 35.986 | 10.0 | 71 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 37.656 | 5.9 | 76 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 36.792 | 8.0 | 73 | 0.00 |
| 63 | | Azobenzene | 40.000 | 33.601 | 16.0 | 67 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 76 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.998 | -12.5 | 100 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 35.878 | 10.3 | 72 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 37.289 | 6.8 | 76 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.243 | 4.4 | 78 | 0.00 |
| 69 | | Atrazine | 40.000 | 35.636 | 10.9 | 68 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 40.670 | -1.7 | 79 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 37.088 | 7.3 | 74 | 0.00 |
| 72 | | Anthracene | 40.000 | 36.544 | 8.6 | 73 | 0.00 |
| 73 | | Carbazole | 40.000 | 36.565 | 8.6 | 73 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 36.993 | 7.5 | 72 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 38.460 | 3.8 | 76 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 80 | 0.00 |
| 77 | | Benzidine | 40.000 | 38.375 | 4.1 | 72 | 0.00 |
| 78 | | Pyrene | 40.000 | 36.308 | 9.2 | 75 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 73.223 | 8.5 | 78 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 36.340 | 9.1 | 75 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 37.143 | 7.1 | 77 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 37.423 | 6.4 | 76 | 0.00 |
| 83 | | Chrysene | 40.000 | 36.606 | 8.5 | 76 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 35.651 | 10.9 | 74 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 36.778 | 8.1 | 75 | -0.01 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 37.580 | 6.1 | 79 | -0.04 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 81 | -0.02 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 35.974 | 10.1 | 76 | -0.01 |
| 89 | Benzo(k)fluoranthene | 40.000 | 35.982 | 10.0 | 79 | -0.01 |
| 90 C | Benzo(a)pyrene | 40.000 | 36.256 | 9.4 | 78 | -0.02 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 36.430 | 8.9 | 79 | -0.03 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 35.832 | 10.4 | 78 | -0.04 |

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