# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012423\
Data File : BG056401.D
Acq On : 24 Jan 2023 13:34
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 25 05:02:44 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 25 04:54:56 2023
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 | 33.591 | 16.0 | 64 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.077 | 9.8 | 70 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 35.768 | 10.6 | 68 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 80.270 | -0.3 | 80 | 0.00 |
| 6 | | Aniline | 40.000 | 37.725 | 5.7 | 75 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 77.715 | 2.9 | 75 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.910 | -7.3 | 85 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 31.986 | 20.0 | 66 | 0.00 |
| 10 | C | Phenol | 40.000 | 38.435 | 3.9 | 75 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 37.913 | 5.2 | 76 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.491 | -1.2 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.670 | -1.7 | 81 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.740 | -4.4 | 83 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.730 | 5.7 | 72 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 47.478 | -18.7 | 95 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 40.028 | -0.1 | 78 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.788 | -4.5 | 83 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.012 | 10.0 | 72 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 39.947 | 0.1 | 77 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 79 | 0.00 |
| 22 | | Acetophenone | 40.000 | 38.237 | 4.4 | 76 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 74.723 | 6.6 | 74 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 36.861 | 7.8 | 74 | 0.00 |
| 25 | | Isophorone | 40.000 | 35.904 | 10.2 | 72 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.115 | -7.8 | 86 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 39.568 | 1.1 | 79 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 38.239 | 4.4 | 77 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.194 | -3.0 | 80 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.152 | -0.4 | 81 | 0.00 |
| 31 | | Naphthalene | 40.000 | 41.819 | -4.5 | 84 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 34.407 | 14.0 | 66 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 41.622 | -4.1 | 83 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 39.660 | 0.9 | 78 | 0.00 |
| 35 | | Caprolactam | 40.000 | 39.672 | 0.8 | 80 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.938 | -2.3 | 82 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 41.314 | -3.3 | 82 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.626 | -4.1 | 84 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 81 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 39.209 | 2.0 | 78 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 34.750 | 13.1 | 66 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 87.026 | -8.8 | 87 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.879 | 0.3 | 77 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.783 | 0.5 | 79 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 80.692 | -0.9 | 80 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 41.188 | -3.0 | 82 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.202 | -3.0 | 82 | 0.00 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 41.861 | -4.7 | 83 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.930 | -2.3 | 81 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 40.029 | -0.1 | 80 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.729 | -1.8 | 83 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 41.689 | -4.2 | 82 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 42.221 | -5.6 | 84 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 38.644 | 3.4 | 74 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 40.596 | -1.5 | 80 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 38.402 | 4.0 | 75 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.679 | -4.2 | 82 | 0.00 |
| 58 | | Fluorene | 40.000 | 40.292 | -0.7 | 81 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.582 | 3.5 | 77 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.355 | -0.9 | 81 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 39.488 | 1.3 | 78 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 41.962 | -4.9 | 82 | 0.00 |
| 63 | | Azobenzene | 40.000 | 37.901 | 5.2 | 77 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 77 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.144 | -7.9 | 79 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 42.170 | -5.4 | 81 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.569 | -3.9 | 79 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 43.244 | -8.1 | 82 | 0.00 |
| 69 | | Atrazine | 40.000 | 40.739 | -1.8 | 76 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 35.999 | 10.0 | 67 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 40.799 | -2.0 | 78 | 0.00 |
| 72 | | Anthracene | 40.000 | 40.710 | -1.8 | 78 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.849 | -2.1 | 78 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.677 | -6.7 | 81 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.120 | 4.7 | 72 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 70 | 0.00 |
| 77 | | Benzidine | 40.000 | 31.293 | 21.8 | 52 | 0.00 |
| 78 | | Pyrene | 40.000 | 41.472 | -3.7 | 73 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 84.778 | -6.0 | 74 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.819 | -7.0 | 74 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.706 | -1.8 | 71 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.190 | -0.5 | 68 | 0.00 |
| 83 | | Chrysene | 40.000 | 40.863 | -2.2 | 71 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.904 | -4.8 | 72 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 41.706 | -4.3 | 72 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 69 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.967 | -2.4 | 70 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 40.289 | -0.7 | 68 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.188 | -0.5 | 69 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 40.157 | -0.4 | 68 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 41.148 | -2.9 | 70 | -0.01 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 40.565 | -1.4 | 68 | 0.00 |

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