# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG011924\
Data File : BG060363.D
Acq On : 19 Jan 2024 10:02
Operator : MA/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 20 06:28:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 09 04:07:12 2024
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 | 94 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 39.831 | 0.4 | 82 | 0.00 |
| 3 | | Pyridine | 40.000 | 35.954 | 10.1 | 71 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 29.744 | 25.6# | 62 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 70.035 | 12.5 | 88 | 0.00 |
| 6 | | Aniline | 40.000 | 43.302 | -8.3 | 95 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 86.012 | -7.5 | 87 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 41.979 | -4.9 | 96 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 39.656 | 0.9 | 86 | 0.00 |
| 10 | C | Phenol | 40.000 | 42.986 | -7.5 | 87 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.509 | -1.3 | 94 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 39.977 | 0.1 | 94 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 39.639 | 0.9 | 95 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 39.000 | 2.5 | 83 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 43.277 | -8.2 | 95 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 40.233 | -0.6 | 85 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.813 | -4.5 | 85 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 40.496 | -1.2 | 86 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.035 | -5.1 | 83 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 43.893 | -9.7 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 87 | 0.00 |
| 22 | | Acetophenone | 40.000 | 39.978 | 0.1 | 87 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 83.401 | -4.3 | 91 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 39.671 | 0.8 | 86 | 0.00 |
| 25 | | Isophorone | 40.000 | 39.496 | 1.3 | 86 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.597 | -9.0 | 93 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.548 | -1.4 | 87 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 37.498 | 6.3 | 82 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.892 | -2.2 | 88 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 38.787 | 3.0 | 85 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.247 | -0.6 | 90 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 41.675 | -4.2 | 98 | 0.00 |
| 33 | | 4-Chloroaniline | 40.000 | 41.260 | -3.1 | 92 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 38.012 | 5.0 | 89 | 0.00 |
| 35 | | Caprolactam | 40.000 | 44.070 | -10.2 | 97 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.481 | -3.7 | 91 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 38.957 | 2.6 | 88 | 0.00 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.023 | 2.4 | 89 | 0.00 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 91 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 36.409 | 9.0 | 86 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 38.187 | 4.5 | 83 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 82.556 | -3.2 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 39.388 | 1.5 | 91 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 40.329 | -0.8 | 92 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 80.000 | 76.567 | 4.3 | 93 | 0.00 |
| 46 | | 1,1'-Biphenyl | 40.000 | 37.663 | 5.8 | 89 | 0.00 |
| 47 | | 2-Chloronaphthalene | 40.000 | 37.923 | 5.2 | 89 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 40.000 | 43.124 | -7.8 | 96 | 0.00 |
| 49 | | Acenaphthylene | 40.000 | 40.153 | -0.4 | 92 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 39.629 | 0.9 | 92 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 43.119 | -7.8 | 94 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 40.267 | -0.7 | 93 | 0.00 |
| 53 | | 3-Nitroaniline | 40.000 | 44.191 | -10.5 | 98 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.871 | -4.7 | 101 | 0.00 |
| 55 | | Dibenzofuran | 40.000 | 39.476 | 1.3 | 91 | 0.00 |
| 56 | P | 4-Nitrophenol | 40.000 | 46.962 | -17.4 | 97 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.866 | -9.7 | 97 | 0.00 |
| 58 | | Fluorene | 40.000 | 39.158 | 2.1 | 91 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 42.171 | -5.4 | 95 | 0.00 |
| 60 | | Diethylphthalate | 40.000 | 40.433 | -1.1 | 92 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.582 | 3.5 | 92 | 0.00 |
| 62 | | 4-Nitroaniline | 40.000 | 43.278 | -8.2 | 96 | 0.00 |
| 63 | | Azobenzene | 40.000 | 39.570 | 1.1 | 91 | 0.00 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 93 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.285 | -10.7 | 101 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.587 | -1.5 | 94 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.774 | 0.6 | 92 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 38.881 | 2.8 | 91 | 0.00 |
| 69 | | Atrazine | 40.000 | 37.628 | 5.9 | 88 | 0.00 |
| 70 | C | Pentachlorophenol | 40.000 | 47.026 | -17.6 | 101 | 0.00 |
| 71 | | Phenanthrene | 40.000 | 39.746 | 0.6 | 93 | 0.00 |
| 72 | | Anthracene | 40.000 | 39.837 | 0.4 | 92 | 0.00 |
| 73 | | Carbazole | 40.000 | 40.338 | -0.8 | 93 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.793 | -4.5 | 95 | 0.00 |
| 75 | C | Fluoranthene | 40.000 | 38.563 | 3.6 | 92 | 0.00 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.00 |
| 77 | | Benzidine | 40.000 | 46.002 | -15.0 | 94 | 0.00 |
| 78 | | Pyrene | 40.000 | 41.843 | -4.6 | 92 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 93.522 | -16.9 | 96 | 0.00 |
| 80 | | Butylbenzylphthalate | 40.000 | 47.479 | -18.7 | 98 | 0.00 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.708 | -1.8 | 87 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 40.921 | -2.3 | 84 | 0.00 |
| 83 | | Chrysene | 40.000 | 39.465 | 1.3 | 86 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 45.277 | -13.2 | 93 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 46.340 | -15.9 | 95 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 84 | 0.01 |
| 87 | | Indeno(1,2,3-cd)pyrene | 40.000 | 39.907 | 0.2 | 84 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 40.000 | 40.230 | -0.6 | 84 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 40.000 | 40.532 | -1.3 | 84 | 0.00 |
| 90 | C | Benzo(a)pyrene | 40.000 | 39.834 | 0.4 | 84 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 40.000 | 40.272 | -0.7 | 84 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 40.000 | 40.587 | -1.5 | 86 | 0.02 |

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