# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012120\
Data File : BG044151.D
Acq On : 22 Jan 2020 9:29
Operator : JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 22 11:09:10 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
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 | 61 | -0.04 |
| 2 | | 1,4-Dioxane | 40.000 | 41.885 | -4.7 | 64 | -0.04 |
| 3 | | Pyridine | 40.000 | 41.530 | -3.8 | 62 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 38.168 | 4.6 | 59 | -0.04 |
| 5 | S | 2-Fluorophenol | 80.000 | 86.708 | -8.4 | 64 | -0.03 |
| 6 | | Aniline | 40.000 | 40.248 | -0.6 | 61 | -0.04 |
| 7 | S | Phenol-d6 | 80.000 | 87.323 | -9.2 | 66 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 41.433 | -3.6 | 63 | -0.04 |
| 9 | | Benzaldehyde | 40.000 | 33.622 | 15.9 | 54 | -0.03 |
| 10 | C | Phenol | 40.000 | 42.510 | -6.3 | 65 | -0.03 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.072 | -0.2 | 61 | -0.04 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.516 | -3.8 | 63 | -0.04 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.625 | -4.1 | 63 | -0.04 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.734 | -4.3 | 64 | -0.04 |
| 15 | | Benzyl Alcohol | 40.000 | 39.755 | 0.6 | 61 | -0.04 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.386 | 6.5 | 58 | -0.04 |
| 17 | | 2-Methylphenol | 40.000 | 41.519 | -3.8 | 64 | -0.03 |
| 18 | | Hexachloroethane | 40.000 | 40.890 | -2.2 | 63 | -0.04 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.276 | 1.8 | 60 | -0.04 |
| 20 | | 3+4-Methylphenols | 40.000 | 41.314 | -3.3 | 63 | -0.03 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 62 | -0.04 |
| 22 | | Acetophenone | 40.000 | 39.821 | 0.4 | 61 | -0.04 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 77.230 | 3.5 | 62 | -0.04 |
| 24 | | Nitrobenzene | 40.000 | 38.947 | 2.6 | 61 | -0.04 |
| 25 | | Isophorone | 40.000 | 39.041 | 2.4 | 60 | -0.04 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.032 | -7.6 | 68 | -0.04 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.477 | -1.2 | 64 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.179 | 2.1 | 61 | -0.04 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.982 | -2.5 | 64 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.339 | -0.8 | 63 | -0.04 |
| 31 | | Naphthalene | 40.000 | 42.211 | -5.5 | 64 | -0.04 |
| 32 | | Benzoic acid | 40.000 | 33.276 | 16.8 | 59 | -0.02 |
| 33 | | 4-Chloroaniline | 40.000 | 39.855 | 0.4 | 61 | -0.03 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.089 | -0.2 | 63 | -0.04 |
| 35 | | Caprolactam | 40.000 | 40.311 | -0.8 | 63 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.611 | -4.0 | 65 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 42.181 | -5.5 | 65 | -0.04 |
| 38 | | 1-Methylnaphthalene | 40.000 | 41.571 | -3.9 | 64 | -0.03 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 62 | -0.03 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.298 | -3.2 | 65 | -0.04 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 37.135 | 7.2 | 58 | -0.04 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 89.007 | -11.3 | 68 | -0.03 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 40.873 | -2.2 | 63 | -0.03 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.085 | -2.7 | 64 | -0.02 |

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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 | 90.255 | -12.8 | 66 | -0.04 |
| 46 | | 1,1'-Biphenyl | 40.000 | 42.779 | -6.9 | 65 | -0.03 |
| 47 | | 2-Chloronaphthalene | 40.000 | 41.887 | -4.7 | 64 | -0.03 |
| 48 | | 2-Nitroaniline | 40.000 | 40.314 | -0.8 | 63 | -0.02 |
| 49 | | Acenaphthylene | 40.000 | 43.533 | -8.8 | 66 | -0.03 |
| 50 | | Dimethylphthalate | 40.000 | 42.151 | -5.4 | 64 | -0.03 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 41.528 | -3.8 | 65 | -0.03 |
| 52 | C | Acenaphthene | 40.000 | 40.133 | -0.3 | 62 | -0.03 |
| 53 | | 3-Nitroaniline | 40.000 | 41.174 | -2.9 | 63 | -0.03 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 43.964 | -9.9 | 73 | -0.02 |
| 55 | | Dibenzofuran | 40.000 | 43.744 | -9.4 | 66 | -0.02 |
| 56 | P | 4-Nitrophenol | 40.000 | 40.546 | -1.4 | 61 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 43.332 | -8.3 | 66 | -0.03 |
| 58 | | Fluorene | 40.000 | 43.598 | -9.0 | 66 | -0.03 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.910 | -4.8 | 64 | -0.03 |
| 60 | | Diethylphthalate | 40.000 | 43.131 | -7.8 | 65 | -0.04 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 42.032 | -5.1 | 65 | -0.03 |
| 62 | | 4-Nitroaniline | 40.000 | 42.662 | -6.7 | 65 | -0.03 |
| 63 | | Azobenzene | 40.000 | 42.154 | -5.4 | 64 | -0.03 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 64 | -0.03 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 44.632 | -11.6 | 77 | -0.02 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.787 | -2.0 | 66 | -0.03 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 39.852 | 0.4 | 66 | -0.03 |
| 68 | | Hexachlorobenzene | 40.000 | 40.664 | -1.7 | 67 | -0.03 |
| 69 | | Atrazine | 40.000 | 39.708 | 0.7 | 61 | -0.02 |
| 70 | C | Pentachlorophenol | 40.000 | 35.601 | 11.0 | 56 | -0.02 |
| 71 | | Phenanthrene | 40.000 | 43.588 | -9.0 | 68 | -0.03 |
| 72 | | Anthracene | 40.000 | 43.730 | -9.3 | 68 | -0.03 |
| 73 | | Carbazole | 40.000 | 43.326 | -8.3 | 67 | -0.02 |
| 74 | | Di-n-butylphthalate | 40.000 | 42.611 | -6.5 | 67 | -0.04 |
| 75 | C | Fluoranthene | 40.000 | 43.220 | -8.0 | 69 | -0.02 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 64 | -0.03 |
| 77 | | Benzidine | 40.000 | 39.665 | 0.8 | 57 | -0.02 |
| 78 | | Pyrene | 40.000 | 42.919 | -7.3 | 70 | -0.03 |
| 79 | S | Terphenyl-d14 | 80.000 | 94.632 | -18.3 | 73 | -0.03 |
| 80 | | Butylbenzylphthalate | 40.000 | 43.019 | -7.5 | 69 | -0.03 |
| 81 | | Benzo(a)anthracene | 40.000 | 42.923 | -7.3 | 68 | -0.04 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 41.145 | -2.9 | 65 | -0.04 |
| 83 | | Chrysene | 40.000 | 43.687 | -9.2 | 69 | -0.04 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.666 | -6.7 | 68 | -0.04 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 44.235 | -10.6 | 69 | -0.05 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 41.342 | -3.4 | 68 | -0.09 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 65 | -0.06 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 42.085 | -5.2 | 69 | -0.05 |
| 89 | Benzo(k)fluoranthene | 40.000 | 42.173 | -5.4 | 67 | -0.05 |
| 90 C | Benzo(a)pyrene | 40.000 | 41.707 | -4.3 | 67 | -0.05 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 41.557 | -3.9 | 68 | -0.09 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 41.718 | -4.3 | 68 | -0.09 |

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