# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG031819\
Data File : BG039973.D
Acq On : 18 Mar 2019 17:19
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 19 07:47:39 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG030419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 04 14:38:15 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 | 96 | -0.03 |
| 2 | | 1,4-Dioxane | 40.000 | 39.671 | 0.8 | 100 | -0.03 |
| 3 | | Pyridine | 40.000 | 42.470 | -6.2 | 96 | -0.03 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 45.373 | -13.4 | 107 | -0.03 |
| 5 | S | 2-Fluorophenol | 80.000 | 84.017 | -5.0 | 100 | -0.02 |
| 6 | | Aniline | 40.000 | 39.467 | 1.3 | 95 | -0.03 |
| 7 | S | Phenol-d6 | 80.000 | 81.949 | -2.4 | 97 | -0.02 |
| 8 | | 2-Chlorophenol | 40.000 | 39.914 | 0.2 | 95 | -0.02 |
| 9 | | Benzaldehyde | 40.000 | 35.765 | 10.6 | 85 | -0.02 |
| 10 | C | Phenol | 40.000 | 40.204 | -0.5 | 94 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 40.804 | -2.0 | 99 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 41.708 | -4.3 | 100 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.738 | -1.8 | 99 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 40.242 | -0.6 | 98 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 40.232 | -0.6 | 94 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.787 | -4.5 | 101 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 40.402 | -1.0 | 95 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 41.747 | -4.4 | 104 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 39.068 | 2.3 | 91 | -0.02 |
| 20 | | 3+4-Methylphenols | 40.000 | 40.171 | -0.4 | 94 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 95 | -0.03 |
| 22 | | Acetophenone | 40.000 | 39.321 | 1.7 | 92 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 85.966 | -7.5 | 100 | -0.02 |
| 24 | | Nitrobenzene | 40.000 | 41.508 | -3.8 | 97 | -0.02 |
| 25 | | Isophorone | 40.000 | 39.194 | 2.0 | 91 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 41.564 | -3.9 | 94 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.432 | -1.1 | 93 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.400 | 1.5 | 91 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 41.480 | -3.7 | 94 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.605 | -1.5 | 97 | -0.02 |
| 31 | | Naphthalene | 40.000 | 39.119 | 2.2 | 92 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 33.876 | 15.3 | 81 | -0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 40.169 | -0.4 | 92 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.082 | -5.2 | 99 | -0.03 |
| 35 | | Caprolactam | 40.000 | 38.405 | 4.0 | 87 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 40.359 | -0.9 | 91 | -0.02 |
| 37 | | 2-Methylnaphthalene | 40.000 | 39.635 | 0.9 | 93 | -0.02 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.216 | 2.0 | 91 | -0.02 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 91 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.109 | -2.8 | 94 | -0.02 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 40.097 | -0.2 | 90 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 79.358 | 0.8 | 86 | -0.02 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 42.390 | -6.0 | 93 | -0.02 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 41.252 | -3.1 | 89 | -0.02 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 80.285 | -0.4 | 92 | -0.02 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.995 | 0.0 | 91 | -0.02 |
| 47 | | 2-Chloronaphthalene | 40.000 | 39.891 | 0.3 | 92 | -0.02 |
| 48 | | 2-Nitroaniline | 40.000 | 43.543 | -8.9 | 95 | -0.01 |
| 49 | | Acenaphthylene | 40.000 | 39.655 | 0.9 | 89 | -0.02 |
| 50 | | Dimethylphthalate | 40.000 | 37.986 | 5.0 | 85 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.967 | -2.4 | 88 | -0.01 |
| 52 | C | Acenaphthene | 40.000 | 39.214 | 2.0 | 89 | -0.02 |
| 53 | | 3-Nitroaniline | 40.000 | 40.445 | -1.1 | 88 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 43.235 | -8.1 | 100 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 39.213 | 2.0 | 89 | -0.01 |
| 56 | P | 4-Nitrophenol | 40.000 | 41.769 | -4.4 | 91 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 40.967 | -2.4 | 88 | -0.01 |
| 58 | | Fluorene | 40.000 | 38.835 | 2.9 | 88 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 40.843 | -2.1 | 89 | -0.01 |
| 60 | | Diethylphthalate | 40.000 | 38.860 | 2.9 | 86 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.885 | 2.8 | 88 | -0.02 |
| 62 | | 4-Nitroaniline | 40.000 | 40.357 | -0.9 | 86 | -0.02 |
| 63 | | Azobenzene | 40.000 | 40.581 | -1.5 | 92 | -0.02 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 87 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 35.599 | 11.0 | 76 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 40.765 | -1.9 | 86 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.193 | -3.0 | 89 | -0.02 |
| 68 | | Hexachlorobenzene | 40.000 | 40.808 | -2.0 | 88 | -0.02 |
| 69 | | Atrazine | 40.000 | 36.080 | 9.8 | 77 | -0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 44.909 | -12.3 | 95 | -0.01 |
| 71 | | Phenanthrene | 40.000 | 39.658 | 0.9 | 86 | -0.01 |
| 72 | | Anthracene | 40.000 | 39.949 | 0.1 | 86 | -0.02 |
| 73 | | Carbazole | 40.000 | 39.468 | 1.3 | 86 | -0.02 |
| 74 | | Di-n-butylphthalate | 40.000 | 40.276 | -0.7 | 87 | -0.02 |
| 75 | C | Fluoranthene | 40.000 | 39.372 | 1.6 | 86 | -0.02 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 88 | -0.03 |
| 77 | | Benzidine | 40.000 | 41.130 | -2.8 | 81 | -0.01 |
| 78 | | Pyrene | 40.000 | 40.435 | -1.1 | 87 | -0.02 |
| 79 | S | Terphenyl-d14 | 80.000 | 80.041 | -0.1 | 88 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 41.872 | -4.7 | 88 | -0.02 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.170 | -0.4 | 87 | -0.02 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.943 | 0.1 | 84 | -0.02 |
| 83 | | Chrysene | 40.000 | 40.289 | -0.7 | 89 | -0.03 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.269 | -5.7 | 89 | -0.03 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 42.795 | -7.0 | 88 | -0.03 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 40.172 | -0.4 | 86 | -0.05 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 86 | -0.04 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 39.647 | 0.9 | 86 | -0.03 |
| 89 | Benzo(k)fluoranthene | 40.000 | 39.730 | 0.7 | 87 | -0.03 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.753 | -1.9 | 87 | -0.03 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 39.676 | 0.8 | 86 | -0.05 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 39.789 | 0.5 | 85 | -0.06 |

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