# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG110718\
Data File : BG037857.D
Acq On : 7 Nov 2018 9:35
Operator : JU/SJ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Nov 07 13:04:01 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 18 14:06:42 2018
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 | 93 | -0.01 |
| 2 | | 1,4-Dioxane | 40.000 | 37.136 | 7.2 | 89 | 0.00 |
| 3 | | Pyridine | 40.000 | 36.354 | 9.1 | 86 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 36.613 | 8.5 | 87 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 77.112 | 3.6 | 91 | -0.01 |
| 6 | | Aniline | 40.000 | 38.167 | 4.6 | 90 | -0.01 |
| 7 | S | Phenol-d6 | 80.000 | 75.290 | 5.9 | 88 | -0.01 |
| 8 | | 2-Chlorophenol | 40.000 | 38.646 | 3.4 | 91 | -0.01 |
| 9 | | Benzaldehyde | 40.000 | 33.781 | 15.5 | 80 | -0.01 |
| 10 | C | Phenol | 40.000 | 37.812 | 5.5 | 89 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 38.252 | 4.4 | 91 | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 38.659 | 3.4 | 92 | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 38.578 | 3.6 | 92 | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 38.510 | 3.7 | 92 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 37.154 | 7.1 | 85 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 37.658 | 5.9 | 89 | -0.01 |
| 17 | | 2-Methylphenol | 40.000 | 38.396 | 4.0 | 89 | -0.01 |
| 18 | | Hexachloroethane | 40.000 | 40.715 | -1.8 | 96 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 36.442 | 8.9 | 83 | -0.01 |
| 20 | | 3+4-Methylphenols | 40.000 | 38.273 | 4.3 | 89 | -0.01 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 90 | -0.01 |
| 22 | | Acetophenone | 40.000 | 38.701 | 3.2 | 87 | -0.01 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 82.012 | -2.5 | 92 | -0.01 |
| 24 | | Nitrobenzene | 40.000 | 40.827 | -2.1 | 91 | -0.01 |
| 25 | | Isophorone | 40.000 | 38.910 | 2.7 | 85 | -0.02 |
| 26 | C | 2-Nitrophenol | 40.000 | 44.680 | -11.7 | 97 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 38.905 | 2.7 | 86 | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 39.241 | 1.9 | 87 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 40.776 | -1.9 | 91 | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 41.359 | -3.4 | 94 | -0.02 |
| 31 | | Naphthalene | 40.000 | 39.966 | 0.1 | 91 | -0.01 |
| 32 | | Benzoic acid | 40.000 | 34.385 | 14.0 | 75 | -0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 39.496 | 1.3 | 88 | -0.01 |
| 34 | C | Hexachlorobutadiene | 40.000 | 42.161 | -5.4 | 94 | -0.02 |
| 35 | | Caprolactam | 40.000 | 38.050 | 4.9 | 82 | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 38.932 | 2.7 | 87 | -0.01 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.130 | -0.3 | 89 | -0.02 |
| 38 | | 1-Methylnaphthalene | 40.000 | 39.705 | 0.7 | 90 | -0.01 |
| 39 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 89 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.705 | -4.3 | 93 | -0.01 |
| 41 | P | Hexachlorocyclopentadiene | 40.000 | 43.548 | -8.9 | 94 | -0.01 |
| 42 | S | 2,4,6-Tribromophenol | 80.000 | 78.613 | 1.7 | 83 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 40.000 | 41.152 | -2.9 | 88 | -0.01 |
| 44 | | 2,4,5-Trichlorophenol | 40.000 | 39.801 | 0.5 | 85 | -0.01 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 80.000 | 80.425 | -0.5 | 90 | -0.01 |
| 46 | | 1,1'-Biphenyl | 40.000 | 39.993 | 0.0 | 90 | -0.01 |
| 47 | | 2-Chloronaphthalene | 40.000 | 40.419 | -1.0 | 90 | -0.01 |
| 48 | | 2-Nitroaniline | 40.000 | 40.416 | -1.0 | 88 | -0.01 |
| 49 | | Acenaphthylene | 40.000 | 39.928 | 0.2 | 88 | 0.00 |
| 50 | | Dimethylphthalate | 40.000 | 38.646 | 3.4 | 85 | -0.01 |
| 51 | | 2,6-Dinitrotoluene | 40.000 | 40.571 | -1.4 | 87 | 0.00 |
| 52 | C | Acenaphthene | 40.000 | 38.966 | 2.6 | 88 | -0.01 |
| 53 | | 3-Nitroaniline | 40.000 | 40.055 | -0.1 | 85 | -0.01 |
| 54 | P | 2,4-Dinitrophenol | 40.000 | 41.924 | -4.8 | 96 | -0.01 |
| 55 | | Dibenzofuran | 40.000 | 38.960 | 2.6 | 88 | -0.01 |
| 56 | P | 4-Nitrophenol | 40.000 | 33.966 | 15.1 | 72 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 40.000 | 41.902 | -4.8 | 88 | -0.01 |
| 58 | | Fluorene | 40.000 | 38.091 | 4.8 | 86 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 38.614 | 3.5 | 84 | -0.01 |
| 60 | | Diethylphthalate | 40.000 | 38.561 | 3.6 | 85 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 40.000 | 38.753 | 3.1 | 86 | -0.01 |
| 62 | | 4-Nitroaniline | 40.000 | 37.867 | 5.3 | 80 | -0.01 |
| 63 | | Azobenzene | 40.000 | 37.907 | 5.2 | 85 | -0.01 |
| 64 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 83 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 40.000 | 38.196 | 4.5 | 84 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 40.000 | 41.156 | -2.9 | 85 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 40.000 | 41.600 | -4.0 | 86 | 0.00 |
| 68 | | Hexachlorobenzene | 40.000 | 40.621 | -1.6 | 84 | -0.01 |
| 69 | | Atrazine | 40.000 | 38.102 | 4.7 | 77 | -0.01 |
| 70 | C | Pentachlorophenol | 40.000 | 34.846 | 12.9 | 70 | -0.01 |
| 71 | | Phenanthrene | 40.000 | 39.934 | 0.2 | 84 | -0.01 |
| 72 | | Anthracene | 40.000 | 40.376 | -0.9 | 84 | 0.00 |
| 73 | | Carbazole | 40.000 | 39.925 | 0.2 | 82 | 0.00 |
| 74 | | Di-n-butylphthalate | 40.000 | 41.047 | -2.6 | 83 | -0.01 |
| 75 | C | Fluoranthene | 40.000 | 39.889 | 0.3 | 83 | -0.01 |
| 76 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 82 | -0.01 |
| 77 | | Benzidine | 40.000 | 30.607 | 23.5 | 61 | -0.01 |
| 78 | | Pyrene | 40.000 | 40.983 | -2.5 | 84 | 0.00 |
| 79 | S | Terphenyl-d14 | 80.000 | 82.440 | -3.0 | 85 | -0.01 |
| 80 | | Butylbenzylphthalate | 40.000 | 42.770 | -6.9 | 84 | -0.01 |
| 81 | | Benzo(a)anthracene | 40.000 | 40.171 | -0.4 | 82 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 40.000 | 39.433 | 1.4 | 78 | -0.01 |
| 83 | | Chrysene | 40.000 | 40.522 | -1.3 | 83 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 40.000 | 43.169 | -7.9 | 85 | -0.03 |
| 85 | c | Di-n-octyl phthalate | 40.000 | 43.139 | -7.8 | 85 | -0.03 |
| 86 | | Indeno(1,2,3-cd)pyrene | 40.000 | 33.572 | 16.1 | 67 | -0.03 |
| 87 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 80 | -0.03 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 40.000 | 40.479 | -1.2 | 80 | -0.02 |
| 89 | Benzo(k)fluoranthene | 40.000 | 42.513 | -6.3 | 84 | -0.02 |
| 90 C | Benzo(a)pyrene | 40.000 | 40.940 | -2.3 | 80 | -0.03 |
| 91 | Dibenzo(a,h)anthracene | 40.000 | 33.385 | 16.5 | 65 | -0.05 |
| 92 | Benzo(g,h,i)perylene | 40.000 | 34.927 | 12.7 | 69 | -0.06 |

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