# Evaluate Continuing Calibration Report

Data Path : \\74.0.250.170\svoasrv\HPCHEM1\BNA G\Data\BG032218\
Data File : BG033310.D
Acq On : 23 Mar 2018 2:06
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 23 05:25:42 2018
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 22 17:32:09 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 | 138 | 0.00 |
| 2 | | 1,4-Dioxane | 40.000 | 38.283 | 4.3 | 133 | 0.00 |
| 3 | | Pyridine | 40.000 | 41.377 | -3.4 | 129 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 44.604 | -11.5 | 152 | 0.00 |
| 5 | S | 2-Fluorophenol | 80.000 | 86.994 | -8.7 | 138 | 0.00 |
| 6 | | Aniline | 40.000 | 44.233 | -10.6 | 141 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 88.781 | -11.0 | 148 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 43.927 | -9.8 | 139 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.851 | 5.4 | 133 | 0.00 |
| 10 | C | Phenol | 40.000 | 44.046 | -10.1 | 144 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 43.155 | -7.9 | 136 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.020 | -0.1 | 135 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 41.006 | -2.5 | 141 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 42.055 | -5.1 | 138 | 0.00 |
| 15 | | Benzyl Alcohol | 40.000 | 47.067 | -17.7 | 151 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 41.691 | -4.2 | 141 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 41.807 | -4.5 | 140 | 0.00 |
| 18 | | Hexachloroethane | 40.000 | 41.630 | -4.1 | 142 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 44.309 | -10.8 | 140 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 46.072 | -15.2 | 147 | 0.00 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 141 | 0.00 |
| 22 | | Acetophenone | 40.000 | 43.015 | -7.5 | 140 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 81.072 | -1.3 | 138 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 40.764 | -1.9 | 138 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.113 | -2.8 | 140 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 43.384 | -8.5 | 141 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 42.152 | -5.4 | 150 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 40.608 | -1.5 | 137 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 43.054 | -7.6 | 144 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.671 | -1.7 | 141 | 0.00 |
| 31 | | Naphthalene | 40.000 | 40.619 | -1.5 | 140 | 0.00 |
| 32 | | Benzoic acid | 40.000 | 32.702 | 18.2 | 129 | 0.01 |
| 33 | | 4-Chloroaniline | 40.000 | 39.565 | 1.1 | 133 | 0.00 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.232 | -0.6 | 144 | 0.00 |
| 35 | | Caprolactam | 40.000 | 41.565 | -3.9 | 140 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 41.997 | -5.0 | 137 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.476 | -1.2 | 144 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 140 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 40.901 | -2.3 | 142 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 41.149 | -2.9 | 140 | 0.00 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 82.888 | -3.6 | 140 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 42.531 | -6.3 | 141 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 44.380 | -11.0 | 142 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 80.120 | -0.2 | 138 | 0.00 |

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

| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 40.714 | -1.8 | 140 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.320 | -0.8 | 138 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 42.500 | -6.3 | 142 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.101 | -0.3 | 139 | 0.00 |
| 49 | | Dimethylphthalate | 40.000 | 40.753 | -1.9 | 141 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.133 | -5.3 | 139 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 39.206 | 2.0 | 133 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 39.955 | 0.1 | 136 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 23.118 | 42.2# | 68 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 39.618 | 1.0 | 137 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 36.486 | 8.8 | 122 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 40.527 | -1.3 | 139 | 0.00 |
| 57 | | Fluorene | 40.000 | 39.766 | 0.6 | 140 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 41.893 | -4.7 | 140 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 40.749 | -1.9 | 142 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 40.300 | -0.7 | 143 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 39.645 | 0.9 | 135 | 0.00 |
| 62 | | Azobenzene | 40.000 | 40.564 | -1.4 | 140 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 139 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 32.640 | 18.4 | 107 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 41.285 | -3.2 | 141 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 42.814 | -7.0 | 146 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 42.265 | -5.7 | 146 | 0.00 |
| 68 | | Atrazine | 40.000 | 41.767 | -4.4 | 141 | 0.00 |
| 69 | C | Pentachlorophenol | 40.000 | 38.396 | 4.0 | 131 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 39.427 | 1.4 | 135 | 0.00 |
| 71 | | Anthracene | 40.000 | 39.755 | 0.6 | 137 | 0.00 |
| 72 | | Carbazole | 40.000 | 39.695 | 0.8 | 135 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 41.097 | -2.7 | 139 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 39.070 | 2.3 | 134 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 133 | 0.00 |
| 76 | | Benzidine | 40.000 | 44.664 | -11.7 | 136 | 0.00 |
| 77 | | Pyrene | 40.000 | 40.757 | -1.9 | 134 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 81.745 | -2.2 | 135 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.683 | -4.2 | 136 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 40.449 | -1.1 | 134 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 44.002 | -10.0 | 139 | 0.00 |
| 82 | | Chrysene | 40.000 | 40.953 | -2.4 | 136 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 42.055 | -5.1 | 137 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 42.909 | -7.3 | 138 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.509 | -6.3 | 138 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 137 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 40.061 | -0.2 | 135 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 40.748 | -1.9 | 137 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 40.892 | -2.2 | 138 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 41.887 | -4.7 | 137 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 41.917 | -4.8 | 139 | 0.00 |

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