# Evaluate Continuing Calibration Report

Data Path : Z:\HPCHEM1\BNA_G\Data\BG051915\
Data File : BG017212.D
Acq On : 19 May 2015 23:19
Operator : TP/IZ
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 20 03:36:36 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG051315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 20 02:03:07 2015
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 | 178 | -0.02 |
| 2 | | 1,4-Dioxane | 40.000 | 40.828 | -2.1 | 184 | -0.02 |
| 3 | | Pyridine | 40.000 | 39.375 | 1.6 | 168 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 40.000 | 39.350 | 1.6 | 168 | -0.02 |
| 5 | S | 2-Fluorophenol | 80.000 | 82.790 | -3.5 | 176 | -0.02 |
| 6 | | Aniline | 40.000 | 37.704 | 5.7 | 159 | 0.00 |
| 7 | S | Phenol-d6 | 80.000 | 84.210 | -5.3 | 178 | 0.00 |
| 8 | | 2-Chlorophenol | 40.000 | 42.085 | -5.2 | 179 | 0.00 |
| 9 | | Benzaldehyde | 40.000 | 37.943 | 5.1 | 165 | -0.02 |
| 10 | C | Phenol | 40.000 | 43.450 | -8.6 | 186 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 40.000 | 43.553 | -8.9 | 182 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 40.000 | 40.237 | -0.6 | 178 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 40.000 | 40.488 | -1.2 | 176 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 40.000 | 41.019 | -2.5 | 177 | -0.02 |
| 15 | | Benzyl Alcohol | 40.000 | 39.950 | 0.1 | 170 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 40.000 | 43.009 | -7.5 | 188 | 0.00 |
| 17 | | 2-Methylphenol | 40.000 | 42.639 | -6.6 | 187 | -0.02 |
| 18 | | Hexachloroethane | 40.000 | 41.353 | -3.4 | 179 | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 40.000 | 42.273 | -5.7 | 180 | 0.00 |
| 20 | | 3+4-Methylphenols | 40.000 | 42.496 | -6.2 | 179 | -0.02 |
| 21 | I | Naphthalene-d8 | 20.000 | 20.000 | 0.0 | 172 | -0.02 |
| 22 | | Acetophenone | 40.000 | 40.420 | -1.1 | 173 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 80.000 | 76.786 | 4.0 | 160 | 0.00 |
| 24 | | Nitrobenzene | 40.000 | 41.519 | -3.8 | 178 | 0.00 |
| 25 | | Isophorone | 40.000 | 41.747 | -4.4 | 174 | 0.00 |
| 26 | C | 2-Nitrophenol | 40.000 | 42.619 | -6.5 | 180 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 40.000 | 40.912 | -2.3 | 178 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 40.000 | 42.348 | -5.9 | 179 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 40.000 | 44.326 | -10.8 | 185 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 40.000 | 40.234 | -0.6 | 170 | -0.02 |
| 31 | | Naphthalene | 40.000 | 41.134 | -2.8 | 173 | -0.02 |
| 32 | | Benzoic acid | 40.000 | 42.608 | -6.5 | 178 | 0.03 |
| 33 | | 4-Chloroaniline | 40.000 | 40.616 | -1.5 | 167 | -0.02 |
| 34 | C | Hexachlorobutadiene | 40.000 | 40.767 | -1.9 | 171 | -0.02 |
| 35 | | Caprolactam | 40.000 | 44.400 | -11.0 | 196 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 40.000 | 44.221 | -10.6 | 185 | 0.00 |
| 37 | | 2-Methylnaphthalene | 40.000 | 40.262 | -0.7 | 176 | 0.00 |
| 38 | I | Acenaphthene-d10 | 20.000 | 20.000 | 0.0 | 177 | 0.00 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 40.000 | 41.540 | -3.8 | 178 | 0.00 |
| 40 | P | Hexachlorocyclopentadiene | 40.000 | 38.862 | 2.8 | 167 | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 80.000 | 82.737 | -3.4 | 179 | 0.00 |
| 42 | C | 2,4,6-Trichlorophenol | 40.000 | 39.092 | 2.3 | 164 | 0.00 |
| 43 | | 2,4,5-Trichlorophenol | 40.000 | 40.728 | -1.8 | 175 | 0.00 |
| 44 | S | 2-Fluorobiphenyl | 80.000 | 73.040 | 8.7 | 157 | 0.00 |

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| | | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 40.000 | 39.828 | 0.4 | 171 | 0.00 |
| 46 | | 2-Chloronaphthalene | 40.000 | 40.862 | -2.2 | 176 | 0.00 |
| 47 | | 2-Nitroaniline | 40.000 | 44.185 | -10.5 | 192 | 0.00 |
| 48 | | Acenaphthylene | 40.000 | 40.395 | -1.0 | 172 | -0.02 |
| 49 | | Dimethylphthalate | 40.000 | 39.892 | 0.3 | 172 | 0.00 |
| 50 | | 2,6-Dinitrotoluene | 40.000 | 42.705 | -6.8 | 179 | 0.00 |
| 51 | C | Acenaphthene | 40.000 | 40.539 | -1.3 | 176 | 0.00 |
| 52 | | 3-Nitroaniline | 40.000 | 42.106 | -5.3 | 180 | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 40.000 | 47.434 | -18.6 | 193 | 0.00 |
| 54 | | Dibenzofuran | 40.000 | 40.685 | -1.7 | 176 | 0.00 |
| 55 | P | 4-Nitrophenol | 40.000 | 41.815 | -4.5 | 183 | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 40.000 | 44.036 | -10.1 | 189 | 0.00 |
| 57 | | Fluorene | 40.000 | 41.056 | -2.6 | 175 | 0.00 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 40.000 | 37.462 | 6.3 | 158 | 0.00 |
| 59 | | Diethylphthalate | 40.000 | 39.779 | 0.6 | 175 | 0.00 |
| 60 | | 4-Chlorophenyl-phenylether | 40.000 | 41.009 | -2.5 | 175 | 0.00 |
| 61 | | 4-Nitroaniline | 40.000 | 44.030 | -10.1 | 187 | 0.00 |
| 62 | | Azobenzene | 40.000 | 40.972 | -2.4 | 177 | 0.00 |
| 63 | I | Phenanthrene-d10 | 20.000 | 20.000 | 0.0 | 182 | 0.00 |
| 64 | | 4,6-Dinitro-2-methylphenol | 40.000 | 43.801 | -9.5 | 188 | 0.00 |
| 65 | c | n-Nitrosodiphenylamine | 40.000 | 40.340 | -0.9 | 179 | 0.00 |
| 66 | | 4-Bromophenyl-phenylether | 40.000 | 40.244 | -0.6 | 180 | 0.00 |
| 67 | | Hexachlorobenzene | 40.000 | 40.558 | -1.4 | 181 | 0.00 |
| 68 | | Atrazine | 40.000 | 1.901 | 95.2# | 8 | -0.02 |
| 69 | C | Pentachlorophenol | 40.000 | 36.675 | 8.3 | 159 | 0.00 |
| 70 | | Phenanthrene | 40.000 | 40.282 | -0.7 | 177 | 0.00 |
| 71 | | Anthracene | 40.000 | 40.337 | -0.8 | 179 | 0.00 |
| 72 | | Carbazole | 40.000 | 41.090 | -2.7 | 182 | 0.00 |
| 73 | | Di-n-butylphthalate | 40.000 | 40.157 | -0.4 | 179 | 0.00 |
| 74 | C | Fluoranthene | 40.000 | 39.752 | 0.6 | 177 | 0.00 |
| 75 | I | Chrysene-d12 | 20.000 | 20.000 | 0.0 | 199 | 0.00 |
| 76 | | Benzidine | 40.000 | 0.989 | 97.5# | 5 | 0.00 |
| 77 | | Pyrene | 40.000 | 37.562 | 6.1 | 181 | 0.00 |
| 78 | S | Terphenyl-d14 | 80.000 | 73.211 | 8.5 | 177 | 0.00 |
| 79 | | Butylbenzylphthalate | 40.000 | 41.958 | -4.9 | 203 | 0.00 |
| 80 | | Benzo(a)anthracene | 40.000 | 39.847 | 0.4 | 191 | 0.00 |
| 81 | | 3,3'-Dichlorobenzidine | 40.000 | 38.058 | 4.9 | 185 | 0.00 |
| 82 | | Chrysene | 40.000 | 39.946 | 0.1 | 193 | 0.00 |
| 83 | | Bis(2-ethylhexyl)phthalate | 40.000 | 41.498 | -3.7 | 197 | 0.00 |
| 84 | c | Di-n-octyl phthalate | 40.000 | 40.370 | -0.9 | 195 | 0.00 |
| 85 | | Indeno(1,2,3-cd)pyrene | 40.000 | 42.504 | -6.3 | 204 | 0.00 |
| 86 | I | Perylene-d12 | 20.000 | 20.000 | 0.0 | 194 | 0.00 |
| 87 | | Benzo(b)fluoranthene | 40.000 | 41.413 | -3.5 | 201 | 0.00 |

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| | Compound | Amount | Calc. | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(k)fluoranthene | 40.000 | 39.626 | 0.9 | 186 | 0.00 |
| 89 C | Benzo(a)pyrene | 40.000 | 41.375 | -3.4 | 198 | 0.00 |
| 90 | Dibenzo(a,h)anthracene | 40.000 | 42.394 | -6.0 | 204 | 0.00 |
| 91 | Benzo(g,h,i)perylene | 40.000 | 42.408 | -6.0 | 203 | -0.02 |

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