# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG061818\
Data File : BG035231.D
Acq On : 19 Jun 2018 00:22
Operator : SJ/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 19 06:43:56 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 08 17:16:28 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 | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 1 | I | 1,4-Dichlorobenzene-d4 | 1.000 | 1.000 | 0.0 | 181# | -0.01 |
| 2 | | 1,4-Dioxane | 0.565 | 0.596 | -5.5 | 192# | 0.00 |
| 3 | | Pyridine | 1.526 | 1.512 | 0.9 | 168# | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.655 | 0.584 | 10.8 | 152# | 0.00 |
| 5 | S | 2-Fluorophenol | 1.185 | 1.185 | 0.0 | 176# | -0.01 |
| 6 | | Aniline | 2.261 | 2.135 | 5.6 | 168# | -0.01 |
| 7 | S | Phenol-d6 | 1.749 | 1.711 | 2.2 | 172# | 0.00 |
| 8 | | 2-Chlorophenol | 1.242 | 1.191 | 4.1 | 168# | -0.01 |
| 9 | | Benzaldehyde | 1.347 | 1.128 | 16.3 | 144 | -0.01 |
| 10 | C | Phenol | 1.810 | 1.746 | 3.5 | 171# | -0.01 |
| 11 | | bis(2-Chloroethyl)ether | 1.405 | 1.351 | 3.8 | 171# | -0.01 |
| 12 | | 1,3-Dichlorobenzene | 1.482 | 1.469 | 0.9 | 181# | -0.01 |
| 13 | C | 1,4-Dichlorobenzene | 1.530 | 1.515 | 1.0 | 177# | -0.01 |
| 14 | | 1,2-Dichlorobenzene | 1.437 | 1.395 | 2.9 | 172# | -0.02 |
| 15 | | Benzyl Alcohol | 1.657 | 1.528 | 7.8 | 163# | -0.01 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.398 | 1.274 | 8.9 | 164# | -0.02 |
| 17 | | 2-Methylphenol | 1.193 | 1.146 | 3.9 | 166# | -0.01 |
| 18 | | Hexachloroethane | 0.548 | 0.542 | 1.1 | 172# | -0.02 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.486 | 1.294 | 12.9 | 153# | -0.02 |
| 20 | | 3+4-Methylphenols | 1.711 | 1.609 | 6.0 | 166# | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 176# | -0.02 |
| 22 | | Acetophenone | 0.620 | 0.586 | 5.5 | 164# | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.421 | 0.453 | -7.6 | 179# | -0.01 |
| 24 | | Nitrobenzene | 0.431 | 0.442 | -2.6 | 172# | -0.02 |
| 25 | | Isophorone | 0.888 | 0.794 | 10.6 | 155# | -0.02 |
| 26 | C | 2-Nitrophenol | 0.149 | 0.180 | -20.8# | 210# | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.312 | 0.277 | 11.2 | 156# | -0.01 |
| 28 | | bis(2-Chloroethoxy)methane | 0.477 | 0.452 | 5.2 | 164# | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.340 | 0.338 | 0.6 | 170# | -0.01 |
| 30 | | 1,2,4-Trichlorobenzene | 0.407 | 0.404 | 0.7 | 167# | -0.02 |
| 31 | | Naphthalene | 1.039 | 0.981 | 5.6 | 164# | -0.01 |
| 32 | | Benzoic acid | 0.209 | 0.209 | 0.0 | 174# | 0.00 |
| 33 | | 4-Chloroaniline | 0.451 | 0.423 | 6.2 | 160# | -0.01 |
| 34 | C | Hexachlorobutadiene | 0.317 | 0.320 | -0.9 | 175# | -0.02 |
| 35 | | Caprolactam | 0.126 | 0.109 | 13.5 | 153# | -0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.423 | 0.390 | 7.8 | 158# | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.788 | 0.743 | 5.7 | 161# | -0.02 |
| 38 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 166# | -0.01 |
| 39 | | 1,2,4,5-Tetrachlorobenzene | 0.745 | 0.794 | -6.6 | 172# | -0.01 |
| 40 | P | Hexachlorocyclopentadiene | 0.467 | 0.511 | -9.4 | 172# | -0.02 |
| 41 | S | 2,4,6-Tribromophenol | 0.256 | 0.264 | -3.1 | 168# | -0.01 |
| 42 | C | 2,4,6-Trichlorophenol | 0.446 | 0.470 | -5.4 | 167# | -0.01 |
| 43 | | 2,4,5-Trichlorophenol | 0.490 | 0.501 | -2.2 | 168# | -0.01 |
| 44 | S | 2-Fluorobiphenyl | 1.538 | 1.498 | 2.6 | 160# | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | | 1,1'-Biphenyl | 1.608 | 1.569 | 2.4 | 159# | -0.01 |
| 46 | | 2-Chloronaphthalene | 1.216 | 1.206 | 0.8 | 165# | -0.02 |
| 47 | | 2-Nitroaniline | 0.359 | 0.390 | -8.6 | 178# | -0.01 |
| 48 | | Acenaphthylene | 2.039 | 1.950 | 4.4 | 157# | -0.01 |
| 49 | | Dimethylphthalate | 1.744 | 1.567 | 10.1 | 149 | -0.02 |
| 50 | | 2,6-Dinitrotoluene | 0.318 | 0.344 | -8.2 | 173# | -0.01 |
| 51 | C | Acenaphthene | 1.332 | 1.332 | 0.0 | 162# | -0.01 |
| 52 | | 3-Nitroaniline | 0.312 | 0.337 | -8.0 | 167# | 0.00 |
| 53 | P | 2,4-Dinitrophenol | 0.129 | 0.160 | -24.0 | 198# | -0.01 |
| 54 | | Dibenzofuran | 1.995 | 1.892 | 5.2 | 155# | -0.02 |
| 55 | P | 4-Nitrophenol | 0.263 | 0.274 | -4.2 | 161# | 0.00 |
| 56 | | 2,4-Dinitrotoluene | 0.423 | 0.473 | -11.8 | 178# | -0.01 |
| 57 | | Fluorene | 1.667 | 1.522 | 8.7 | 148 | -0.01 |
| 58 | | 2,3,4,6-Tetrachlorophenol | 0.476 | 0.481 | -1.1 | 164# | -0.01 |
| 59 | | Diethylphthalate | 1.779 | 1.550 | 12.9 | 144 | -0.02 |
| 60 | | 4-Chlorophenyl-phenylether | 0.951 | 0.915 | 3.8 | 159# | -0.02 |
| 61 | | 4-Nitroaniline | 0.335 | 0.363 | -8.4 | 169# | -0.01 |
| 62 | | Azobenzene | 1.744 | 1.478 | 15.3 | 140 | -0.02 |
| 63 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 160# | -0.01 |
| 64 | | 4,6-Dinitro-2-methylphenol | 0.091 | 0.122 | -34.1# | 211# | -0.01 |
| 65 | c | n-Nitrosodiphenylamine | 0.601 | 0.572 | 4.8 | 148 | -0.01 |
| 66 | | 4-Bromophenyl-phenylether | 0.241 | 0.238 | 1.2 | 157# | -0.02 |
| 67 | | Hexachlorobenzene | 0.245 | 0.245 | 0.0 | 160# | -0.01 |
| 68 | | Atrazine | 0.256 | 0.248 | 3.1 | 151# | -0.02 |
| 69 | C | Pentachlorophenol | 0.165 | 0.177 | -7.3 | 165# | -0.02 |
| 70 | | Phenanthrene | 1.016 | 0.957 | 5.8 | 148 | -0.02 |
| 71 | | Anthracene | 1.018 | 0.960 | 5.7 | 147 | -0.01 |
| 72 | | Carbazole | 0.944 | 0.937 | 0.7 | 155# | -0.01 |
| 73 | | Di-n-butylphthalate | 1.125 | 1.073 | 4.6 | 149 | -0.02 |
| 74 | C | Fluoranthene | 1.322 | 1.342 | -1.5 | 158# | -0.02 |
| 75 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 196# | -0.02 |
| 76 | | Benzidine | 0.744 | 0.517 | 30.5# | 132 | -0.02 |
| 77 | | Pyrene | 1.318 | 1.112 | 15.6 | 164# | -0.01 |
| 78 | S | Terphenyl-d14 | 0.955 | 0.820 | 14.1 | 165# | -0.02 |
| 79 | | Butylbenzylphthalate | 0.479 | 0.438 | 8.6 | 171# | -0.02 |
| 80 | | Benzo(a)anthracene | 1.278 | 1.193 | 6.7 | 182# | -0.02 |
| 81 | | 3,3'-Dichlorobenzidine | 0.481 | 0.444 | 7.7 | 174# | -0.02 |
| 82 | | Chrysene | 1.170 | 1.111 | 5.0 | 185# | -0.02 |
| 83 | | Bis(2-ethylhexyl)phthalate | 0.676 | 0.616 | 8.9 | 173# | -0.04 |
| 84 | c | Di-n-octyl phthalate | 1.161 | 1.055 | 9.1 | 172# | -0.05 |
| 85 | | Indeno(1,2,3-cd)pyrene | 1.370 | 1.344 | 1.9 | 188# | -0.05 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 198# | -0.03 |
| 87 | | Benzo(b)fluoranthene | 1.232 | 1.140 | 7.5 | 179# | -0.02 |

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| 88 | Benzo(k)fluoranthene | 1.205 | 1.138 | 5.6 | 191# | -0.02 |
| 89 C | Benzo(a)pyrene | 1.159 | 1.097 | 5.3 | 186# | -0.04 |
| 90 | Dibenzo(a,h)anthracene | 1.144 | 1.079 | 5.7 | 186# | -0.05 |
| 91 | Benzo(g,h,i)perylene | 1.120 | 1.054 | 5.9 | 185# | -0.05 |

(#) = Out of Range SPCC's out = 0 CCC's out = 1