# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051920\
Data File : BG045431.D
Acq On : 19 May 2020 19:25
Operator : CG/JU
Sample : SSTDCCC040
Misc : WATER - LOD - 8PPM
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: May 20 02:23:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 19 12:10:36 2020
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 | 171# | 0.00 |
| 2 | | 1,4-Dioxane | 0.507 | 0.475 | 6.3 | 160# | 0.00 |
| 3 | | Pyridine | 1.413 | 1.431 | -1.3 | 166# | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.462 | 0.429 | 7.1 | 156# | 0.00 |
| 5 | S | 2-Fluorophenol | 1.023 | 1.029 | -0.6 | 168# | 0.00 |
| 6 | | Aniline | 1.901 | 1.890 | 0.6 | 169# | 0.00 |
| 7 | S | Phenol-d6 | 1.457 | 1.495 | -2.6 | 171# | 0.00 |
| 8 | | 2-Chlorophenol | 1.122 | 1.108 | 1.2 | 167# | 0.00 |
| 9 | | Benzaldehyde | 0.949 | 0.959 | -1.1 | 166# | 0.00 |
| 10 | C | Phenol | 1.501 | 1.514 | -0.9 | 167# | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.171 | 1.200 | -2.5 | 168# | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.349 | 1.336 | 1.0 | 168# | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.331 | 1.333 | -0.2 | 168# | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.280 | 1.259 | 1.6 | 168# | 0.00 |
| 15 | | Benzyl Alcohol | 1.203 | 1.192 | 0.9 | 166# | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.111 | 1.157 | -4.1 | 178# | 0.00 |
| 17 | | 2-Methylphenol | 1.124 | 1.173 | -4.4 | 173# | 0.00 |
| 18 | | Hexachloroethane | 0.510 | 0.505 | 1.0 | 165# | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.007 | 1.030 | -2.3 | 171# | 0.00 |
| 20 | | 3+4-Methylphenols | 1.530 | 1.553 | -1.5 | 168# | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 167# | 0.00 |
| 22 | | Acetophenone | 0.474 | 0.478 | -0.8 | 167# | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.367 | 0.364 | 0.8 | 164# | 0.00 |
| 24 | | Nitrobenzene | 0.393 | 0.385 | 2.0 | 166# | 0.00 |
| 25 | | Isophorone | 0.722 | 0.737 | -2.1 | 167# | 0.00 |
| 26 | C | 2-Nitrophenol | 0.168 | 0.177 | -5.4 | 175# | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.249 | 0.264 | -6.0 | 174# | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.379 | 0.393 | -3.7 | 174# | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.294 | 0.309 | -5.1 | 177# | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.348 | 0.352 | -1.1 | 169# | 0.00 |
| 31 | | Naphthalene | 0.932 | 0.945 | -1.4 | 169# | 0.00 |
| 32 | | Benzoic acid | 0.150 | 0.202 | -34.7# | 238# | 0.00 |
| 33 | | 4-Chloroaniline | 0.390 | 0.413 | -5.9 | 173# | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.246 | 0.243 | 1.2 | 165# | 0.00 |
| 35 | | Caprolactam | 0.108 | 0.109 | -0.9 | 163# | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.332 | 0.348 | -4.8 | 174# | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.695 | 0.710 | -2.2 | 169# | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.656 | 0.667 | -1.7 | 167# | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 173# | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.559 | 0.546 | 2.3 | 170# | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.322 | 0.320 | 0.6 | 170# | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.256 | 0.241 | 5.9 | 159# | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.388 | 0.389 | -0.3 | 171# | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.443 | 0.431 | 2.7 | 165# | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.179 | 1.138 | 3.5 | 162# | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.229 | 1.220 | 0.7 | 170# | 0.00 |
| 47 | | 2-Chloronaphthalene | 0.998 | 0.991 | 0.7 | 172# | 0.00 |
| 48 | | 2-Nitroaniline | 0.328 | 0.316 | 3.7 | 159# | 0.00 |
| 49 | | Acenaphthylene | 1.603 | 1.598 | 0.3 | 170# | 0.00 |
| 50 | | Dimethylphthalate | 1.372 | 1.320 | 3.8 | 160# | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.310 | 0.309 | 0.3 | 167# | 0.00 |
| 52 | C | Acenaphthene | 1.073 | 1.060 | 1.2 | 167# | 0.00 |
| 53 | | 3-Nitroaniline | 0.315 | 0.313 | 0.6 | 169# | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.180 | 0.165 | 8.3 | 150# | 0.00 |
| 55 | | Dibenzofuran | 1.593 | 1.553 | 2.5 | 164# | 0.00 |
| 56 | P | 4-Nitrophenol | 0.238 | 0.231 | 2.9 | 157# | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.448 | 0.438 | 2.2 | 166# | 0.00 |
| 58 | | Fluorene | 1.309 | 1.283 | 2.0 | 165# | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.390 | 0.378 | 3.1 | 163# | 0.00 |
| 60 | | Diethylphthalate | 1.428 | 1.356 | 5.0 | 159# | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.749 | 0.726 | 3.1 | 164# | 0.00 |
| 62 | | 4-Nitroaniline | 0.329 | 0.328 | 0.3 | 166# | 0.00 |
| 63 | | Azobenzene | 1.332 | 1.274 | 4.4 | 161# | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 158# | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.116 | 0.114 | 1.7 | 150# | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.480 | 0.491 | -2.3 | 163# | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.217 | 0.222 | -2.3 | 163# | 0.00 |
| 68 | | Hexachlorobenzene | 0.227 | 0.229 | -0.9 | 160# | 0.00 |
| 69 | | Atrazine | 0.198 | 0.195 | 1.5 | 154# | 0.00 |
| 70 | C | Pentachlorophenol | 0.118 | 0.162 | -37.3# | 212# | 0.00 |
| 71 | | Phenanthrene | 0.873 | 0.868 | 0.6 | 155# | 0.00 |
| 72 | | Anthracene | 0.877 | 0.883 | -0.7 | 157# | 0.00 |
| 73 | | Carbazole | 0.855 | 0.851 | 0.5 | 154# | 0.00 |
| 74 | | Di-n-butylphthalate | 1.026 | 1.009 | 1.7 | 150 | 0.00 |
| 75 | C | Fluoranthene | 1.111 | 1.073 | 3.4 | 147 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 150 | 0.00 |
| 77 | | Benzidine | 0.562 | 0.528 | 6.0 | 135 | 0.00 |
| 78 | | Pyrene | 1.140 | 1.156 | -1.4 | 147 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.858 | 0.834 | 2.8 | 140 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.492 | 0.496 | -0.8 | 146 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.114 | 1.106 | 0.7 | 148 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.437 | 0.430 | 1.6 | 145 | 0.00 |
| 83 | | Chrysene | 1.071 | 1.073 | -0.2 | 146 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.676 | 0.675 | 0.1 | 147 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.162 | 1.145 | 1.5 | 146 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.401 | 1.369 | 2.3 | 148 | -0.01 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 150# | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.073 | 1.050 | 2.1 | 144 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.008 | 1.032 | -2.4 | 153# | 0.00 |
| 90 C | Benzo(a)pyrene | 0.999 | 1.005 | -0.6 | 150# | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.004 | 0.989 | 1.5 | 149 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.004 | 0.998 | 0.6 | 149 | 0.00 |

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