# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062219\
Data File : BG041400.D
Acq On : 22 Jun 2019 12:58
Operator : HP/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 24 02:07:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 17 14:58:02 2019
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 | 66 | -0.03 |
| 2 | | 1,4-Dioxane | 0.546 | 0.491 | 10.1 | 63 | -0.04 |
| 3 | | Pyridine | 1.448 | 1.301 | 10.2 | 59 | -0.05 |
| 4 | | n-Nitrosodimethylamine | 0.772 | 0.674 | 12.7 | 57 | -0.04 |
| 5 | S | 2-Fluorophenol | 1.088 | 1.066 | 2.0 | 64 | -0.03 |
| 6 | | Aniline | 2.193 | 2.063 | 5.9 | 60 | -0.04 |
| 7 | S | Phenol-d6 | 1.578 | 1.534 | 2.8 | 62 | -0.03 |
| 8 | | 2-Chlorophenol | 1.279 | 1.219 | 4.7 | 61 | -0.03 |
| 9 | | Benzaldehyde | 1.009 | 0.953 | 5.6 | 63 | -0.03 |
| 10 | C | Phenol | 1.697 | 1.647 | 2.9 | 62 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.287 | 1.234 | 4.1 | 61 | -0.03 |
| 12 | | 1,3-Dichlorobenzene | 1.601 | 1.589 | 0.7 | 64 | -0.03 |
| 13 | C | 1,4-Dichlorobenzene | 1.636 | 1.556 | 4.9 | 62 | -0.03 |
| 14 | | 1,2-Dichlorobenzene | 1.562 | 1.503 | 3.8 | 63 | -0.04 |
| 15 | | Benzyl Alcohol | 1.512 | 1.328 | 12.2 | 57 | -0.03 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.107 | 1.843 | 12.5 | 55 | -0.04 |
| 17 | | 2-Methylphenol | 1.213 | 1.169 | 3.6 | 62 | -0.03 |
| 18 | | Hexachloroethane | 0.648 | 0.620 | 4.3 | 63 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.276 | 1.143 | 10.4 | 57 | -0.03 |
| 20 | | 3+4-Methylphenols | 1.615 | 1.559 | 3.5 | 60 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 61 | -0.04 |
| 22 | | Acetophenone | 0.582 | 0.565 | 2.9 | 60 | -0.03 |
| 23 | S | Nitrobenzene-d5 | 0.476 | 0.448 | 5.9 | 57 | -0.03 |
| 24 | | Nitrobenzene | 0.478 | 0.461 | 3.6 | 58 | -0.03 |
| 25 | | Isophorone | 0.872 | 0.840 | 3.7 | 58 | -0.03 |
| 26 | C | 2-Nitrophenol | 0.194 | 0.193 | 0.5 | 61 | -0.03 |
| 27 | | 2,4-Dimethylphenol | 0.291 | 0.275 | 5.5 | 59 | -0.03 |
| 28 | | bis(2-Chloroethoxy)methane | 0.455 | 0.434 | 4.6 | 56 | -0.03 |
| 29 | C | 2,4-Dichlorophenol | 0.360 | 0.368 | -2.2 | 61 | -0.03 |
| 30 | | 1,2,4-Trichlorobenzene | 0.462 | 0.450 | 2.6 | 59 | -0.03 |
| 31 | | Naphthalene | 1.087 | 1.055 | 2.9 | 59 | -0.03 |
| 32 | | Benzoic acid | 0.189 | 0.198 | -4.8 | 58 | -0.04 |
| 33 | | 4-Chloroaniline | 0.462 | 0.462 | 0.0 | 60 | -0.03 |
| 34 | C | Hexachlorobutadiene | 0.366 | 0.345 | 5.7 | 59 | -0.03 |
| 35 | | Caprolactam | 0.124 | 0.126 | -1.6 | 63 | -0.03 |
| 36 | C | 4-Chloro-3-methylphenol | 0.416 | 0.406 | 2.4 | 59 | -0.02 |
| 37 | | 2-Methylnaphthalene | 0.801 | 0.768 | 4.1 | 58 | -0.03 |
| 38 | | 1-Methylnaphthalene | 0.766 | 0.734 | 4.2 | 58 | -0.03 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 60 | -0.03 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.826 | 0.787 | 4.7 | 57 | -0.03 |
| 41 | P | Hexachlorocyclopentadiene | 0.556 | 0.495 | 11.0 | 53 | -0.03 |
| 42 | S | 2,4,6-Tribromophenol | 0.307 | 0.308 | -0.3 | 61 | -0.03 |
| 43 | C | 2,4,6-Trichlorophenol | 0.511 | 0.505 | 1.2 | 60 | -0.03 |
| 44 | | 2,4,5-Trichlorophenol | 0.526 | 0.509 | 3.2 | 57 | -0.02 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.472 | 1.414 | 3.9 | 57 | -0.03 |
| 46 | | 1,1'-Biphenyl | 1.512 | 1.422 | 6.0 | 57 | -0.03 |
| 47 | | 2-Chloronaphthalene | 1.302 | 1.246 | 4.3 | 58 | -0.03 |
| 48 | | 2-Nitroaniline | 0.477 | 0.442 | 7.3 | 55 | -0.02 |
| 49 | | Acenaphthylene | 1.975 | 1.891 | 4.3 | 58 | -0.03 |
| 50 | | Dimethylphthalate | 1.780 | 1.738 | 2.4 | 59 | -0.03 |
| 51 | | 2,6-Dinitrotoluene | 0.375 | 0.363 | 3.2 | 59 | -0.02 |
| 52 | C | Acenaphthene | 1.160 | 1.104 | 4.8 | 58 | -0.03 |
| 53 | | 3-Nitroaniline | 0.370 | 0.375 | -1.4 | 61 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 0.240 | 0.234 | 2.5 | 58 | -0.02 |
| 55 | | Dibenzofuran | 2.017 | 1.965 | 2.6 | 59 | -0.03 |
| 56 | P | 4-Nitrophenol | 0.257 | 0.275 | -7.0 | 60 | -0.01 |
| 57 | | 2,4-Dinitrotoluene | 0.548 | 0.552 | -0.7 | 62 | -0.02 |
| 58 | | Fluorene | 1.586 | 1.567 | 1.2 | 60 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.544 | 0.530 | 2.6 | 57 | -0.02 |
| 60 | | Diethylphthalate | 1.809 | 1.801 | 0.4 | 60 | -0.03 |
| 61 | | 4-Chlorophenyl-phenylether | 1.032 | 0.997 | 3.4 | 59 | -0.03 |
| 62 | | 4-Nitroaniline | 0.395 | 0.428 | -8.4 | 66 | -0.02 |
| 63 | | Azobenzene | 1.614 | 1.514 | 6.2 | 57 | -0.03 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 65 | -0.03 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.130 | 0.124 | 4.6 | 61 | -0.02 |
| 66 | c | n-Nitrosodiphenylamine | 0.531 | 0.502 | 5.5 | 61 | -0.03 |
| 67 | | 4-Bromophenyl-phenylether | 0.259 | 0.235 | 9.3 | 60 | -0.03 |
| 68 | | Hexachlorobenzene | 0.277 | 0.257 | 7.2 | 60 | -0.03 |
| 69 | | Atrazine | 0.173 | 0.201 | -16.2 | 63 | -0.03 |
| 70 | C | Pentachlorophenol | 0.142 | 0.138 | 2.8 | 60 | -0.02 |
| 71 | | Phenanthrene | 1.067 | 1.021 | 4.3 | 62 | -0.03 |
| 72 | | Anthracene | 1.052 | 1.024 | 2.7 | 63 | -0.02 |
| 73 | | Carbazole | 0.920 | 0.945 | -2.7 | 67 | -0.02 |
| 74 | | Di-n-butylphthalate | 1.148 | 1.201 | -4.6 | 68 | -0.03 |
| 75 | C | Fluoranthene | 1.417 | 1.443 | -1.8 | 66 | -0.02 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 74 | -0.03 |
| 77 | | Benzidine | 0.484 | 0.515 | -6.4 | 74 | -0.02 |
| 78 | | Pyrene | 1.349 | 1.288 | 4.5 | 67 | -0.03 |
| 79 | S | Terphenyl-d14 | 1.009 | 0.998 | 1.1 | 69 | -0.03 |
| 80 | | Butylbenzylphthalate | 0.510 | 0.516 | -1.2 | 73 | -0.03 |
| 81 | | Benzo(a)anthracene | 1.354 | 1.326 | 2.1 | 71 | -0.03 |
| 82 | | 3,3'-Dichlorobenzidine | 0.475 | 0.500 | -5.3 | 76 | -0.03 |
| 83 | | Chrysene | 1.302 | 1.288 | 1.1 | 71 | -0.03 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.695 | 0.722 | -3.9 | 74 | -0.03 |
| 85 | c | Di-n-octyl phthalate | 1.176 | 1.236 | -5.1 | 76 | -0.04 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.545 | 1.555 | -0.6 | 73 | -0.08 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 76 | -0.05 |

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| | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.239 | 1.176 | 5.1 | 71 | -0.05 |
| 89 | Benzo(k)fluoranthene | 1.228 | 1.197 | 2.5 | 72 | -0.05 |
| 90 C | Benzo(a)pyrene | 1.171 | 1.133 | 3.2 | 72 | -0.05 |
| 91 | Dibenzo(a,h)anthracene | 1.178 | 1.159 | 1.6 | 74 | -0.07 |
| 92 | Benzo(g,h,i)perylene | 1.165 | 1.136 | 2.5 | 73 | -0.09 |

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