# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG021121\
Data File : BG048137.D
Acq On : 11 Feb 2021 15:51
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Feb 11 16:51:00 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG021021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 10 17:26:23 2021
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 | 95 | 0.00 |
| 2 | | 1,4-Dioxane | 0.538 | 0.522 | 3.0 | 92 | 0.00 |
| 3 | | Pyridine | 1.489 | 1.534 | -3.0 | 92 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.790 | 0.825 | -4.4 | 101 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.175 | 1.160 | 1.3 | 93 | 0.00 |
| 6 | | Aniline | 2.133 | 2.128 | 0.2 | 96 | 0.00 |
| 7 | S | Phenol-d6 | 1.785 | 1.770 | 0.8 | 95 | 0.00 |
| 8 | | 2-Chlorophenol | 1.291 | 1.266 | 1.9 | 93 | 0.00 |
| 9 | | Benzaldehyde | 1.265 | 1.241 | 1.9 | 98 | 0.00 |
| 10 | C | Phenol | 1.805 | 1.773 | 1.8 | 95 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.406 | 1.344 | 4.4 | 91 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.491 | 1.454 | 2.5 | 95 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.503 | 1.468 | 2.3 | 95 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.430 | 1.400 | 2.1 | 96 | 0.00 |
| 15 | | Benzyl Alcohol | 1.573 | 1.583 | -0.6 | 93 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.824 | 1.808 | 0.9 | 95 | 0.00 |
| 17 | | 2-Methylphenol | 1.177 | 1.172 | 0.4 | 93 | 0.00 |
| 18 | | Hexachloroethane | 0.573 | 0.558 | 2.6 | 93 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.378 | 1.379 | -0.1 | 95 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.640 | 1.632 | 0.5 | 93 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 95 | 0.00 |
| 22 | | Acetophenone | 0.574 | 0.555 | 3.3 | 94 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.473 | 0.471 | 0.4 | 96 | 0.00 |
| 24 | | Nitrobenzene | 0.504 | 0.496 | 1.6 | 95 | 0.00 |
| 25 | | Isophorone | 0.938 | 0.926 | 1.3 | 93 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.209 | 0.201 | 3.8 | 92 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.300 | 0.298 | 0.7 | 96 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.458 | 0.449 | 2.0 | 94 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.384 | 0.382 | 0.5 | 95 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.437 | 0.434 | 0.7 | 95 | 0.00 |
| 31 | | Naphthalene | 1.104 | 1.082 | 2.0 | 95 | 0.00 |
| 32 | | Benzoic acid | 0.184 | 0.200 | -8.7 | 88 | 0.00 |
| 33 | | 4-Chloroaniline | 0.479 | 0.474 | 1.0 | 95 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.327 | 0.314 | 4.0 | 92 | 0.00 |
| 35 | | Caprolactam | 0.127 | 0.130 | -2.4 | 94 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.425 | 0.432 | -1.6 | 97 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.858 | 0.851 | 0.8 | 95 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.812 | 0.791 | 2.6 | 94 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 97 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.714 | 0.705 | 1.3 | 96 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.436 | 0.430 | 1.4 | 91 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.320 | 0.324 | -1.3 | 99 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.513 | 0.523 | -1.9 | 98 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.554 | 0.571 | -3.1 | 100 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.427 | 1.398 | 2.0 | 96 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.433 | 1.394 | 2.7 | 95 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.219 | 1.192 | 2.2 | 94 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.438 | 0.444 | -1.4 | 97 | 0.00 |
| 49 | | Acenaphthylene | 1.886 | 1.841 | 2.4 | 95 | 0.00 |
| 50 | | Dimethylphthalate | 1.672 | 1.670 | 0.1 | 98 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.376 | 0.383 | -1.9 | 100 | 0.00 |
| 52 | C | Acenaphthene | 1.277 | 1.296 | -1.5 | 97 | 0.00 |
| 53 | | 3-Nitroaniline | 0.369 | 0.367 | 0.5 | 96 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.245 | 0.246 | -0.4 | 92 | 0.00 |
| 55 | | Dibenzofuran | 1.997 | 1.968 | 1.5 | 97 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.303 | 0.316 | -4.3 | 98 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.543 | 0.551 | -1.5 | 98 | 0.00 |
| 58 | | Fluorene | 1.584 | 1.577 | 0.4 | 98 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.554 | 0.556 | -0.4 | 96 | 0.00 |
| 60 | | Diethylphthalate | 1.710 | 1.710 | 0.0 | 97 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.954 | 0.951 | 0.3 | 97 | 0.00 |
| 62 | | 4-Nitroaniline | 0.384 | 0.397 | -3.4 | 102 | 0.00 |
| 63 | | Azobenzene | 1.706 | 1.706 | 0.0 | 100 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.145 | 0.147 | -1.4 | 98 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.578 | 0.570 | 1.4 | 99 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.256 | 0.250 | 2.3 | 97 | 0.00 |
| 68 | | Hexachlorobenzene | 0.265 | 0.263 | 0.8 | 99 | 0.00 |
| 69 | | Atrazine | 0.241 | 0.241 | 0.0 | 100 | 0.00 |
| 70 | C | Pentachlorophenol | 0.174 | 0.180 | -3.4 | 96 | 0.00 |
| 71 | | Phenanthrene | 1.086 | 1.076 | 0.9 | 101 | 0.00 |
| 72 | | Anthracene | 1.078 | 1.067 | 1.0 | 100 | 0.00 |
| 73 | | Carbazole | 1.020 | 1.012 | 0.8 | 101 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.130 | 1.128 | 0.2 | 100 | 0.00 |
| 75 | C | Fluoranthene | 1.414 | 1.412 | 0.1 | 101 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 77 | | Benzidine | 0.653 | 0.682 | -4.4 | 102 | 0.00 |
| 78 | | Pyrene | 1.397 | 1.408 | -0.8 | 102 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.094 | 1.047 | 4.3 | 101 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.489 | 0.492 | -0.6 | 99 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.395 | 1.384 | 0.8 | 101 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.500 | 0.505 | -1.0 | 102 | 0.00 |
| 83 | | Chrysene | 1.333 | 1.326 | 0.5 | 100 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.687 | 0.696 | -1.3 | 101 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.170 | 1.183 | -1.1 | 100 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 102 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.515 | 1.524 | -0.6 | 102 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.383 | 1.403 | -1.4 | 102 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.319 | 1.305 | 1.1 | 100 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.283 | 1.285 | -0.2 | 101 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.293 | 1.302 | -0.7 | 101 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.256 | 1.280 | -1.9 | 104 | 0.00 |

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