# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG040720\
Data File : BG044954.D
Acq On : 7 Apr 2020 14:22
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 07 14:58:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG031020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 23 07:18:46 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 | 85 | 0.00 |
| 2 | | 1,4-Dioxane | 0.619 | 0.588 | 5.0 | 80 | 0.00 |
| 3 | | Pyridine | 1.832 | 1.641 | 10.4 | 75 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.695 | 0.510 | 26.6# | 61 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.285 | 1.170 | 8.9 | 78 | 0.00 |
| 6 | | Aniline | 2.323 | 2.144 | 7.7 | 79 | 0.00 |
| 7 | S | Phenol-d6 | 1.867 | 1.652 | 11.5 | 76 | 0.00 |
| 8 | | 2-Chlorophenol | 1.283 | 1.203 | 6.2 | 82 | 0.00 |
| 9 | | Benzaldehyde | 1.089 | 1.005 | 7.7 | 76 | 0.00 |
| 10 | C | Phenol | 1.848 | 1.667 | 9.8 | 79 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.475 | 1.305 | 11.5 | 77 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.580 | 1.455 | 7.9 | 80 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.562 | 1.449 | 7.2 | 80 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.481 | 1.395 | 5.8 | 82 | 0.00 |
| 15 | | Benzyl Alcohol | 1.498 | 1.254 | 16.3 | 71 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.603 | 1.259 | 51.6# | 41# | 0.00 |
| 17 | | 2-Methylphenol | 1.252 | 1.207 | 3.6 | 83 | 0.00 |
| 18 | | Hexachloroethane | 0.615 | 0.527 | 14.3 | 74 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.318 | 1.063 | 19.3 | 68 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.726 | 1.667 | 3.4 | 81 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 22 | | Acetophenone | 0.567 | 0.507 | 10.6 | 73 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.456 | 0.428 | 6.1 | 76 | 0.00 |
| 24 | | Nitrobenzene | 0.473 | 0.447 | 5.5 | 77 | 0.00 |
| 25 | | Isophorone | 0.890 | 0.806 | 9.4 | 73 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.154 | 0.150 | 2.6 | 79 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.290 | 0.288 | 0.7 | 81 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.531 | 0.450 | 15.3 | 68 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.338 | 0.337 | 0.3 | 80 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.405 | 0.404 | 0.2 | 82 | 0.00 |
| 31 | | Naphthalene | 1.108 | 1.084 | 2.2 | 80 | 0.00 |
| 32 | | Benzoic acid | 0.201 | 0.138 | 31.3# | 59 | 0.00 |
| 33 | | 4-Chloroaniline | 0.499 | 0.480 | 3.8 | 79 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.266 | 0.278 | -4.5 | 85 | 0.00 |
| 35 | | Caprolactam | 0.128 | 0.111 | 13.3 | 68 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.404 | 0.371 | 8.2 | 73 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.829 | 0.809 | 2.4 | 78 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.779 | 0.752 | 3.5 | 77 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 77 | -0.01 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.659 | 0.658 | 0.2 | 82 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.360 | 0.318 | 11.7 | 73 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.262 | 0.277 | -5.7 | 86 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.437 | 0.419 | 4.1 | 78 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.453 | 0.483 | -6.6 | 88 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.397 | 1.393 | 0.3 | 80 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.598 | 1.549 | 3.1 | 78 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.221 | 1.150 | 5.8 | 77 | 0.00 |
| 48 | | 2-Nitroaniline | 0.427 | 0.331 | 22.5 | 63 | 0.00 |
| 49 | | Acenaphthylene | 1.913 | 1.873 | 2.1 | 79 | 0.00 |
| 50 | | Dimethylphthalate | 1.593 | 1.515 | 4.9 | 77 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.321 | 0.335 | -4.4 | 83 | 0.00 |
| 52 | C | Acenaphthene | 1.253 | 1.185 | 5.4 | 78 | 0.00 |
| 53 | | 3-Nitroaniline | 0.369 | 0.376 | -1.9 | 80 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.143 | 0.085 | 40.6# | 50 | -0.01 |
| 55 | | Dibenzofuran | 1.817 | 1.852 | -1.9 | 83 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.282 | 0.268 | 5.0 | 77 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.440 | 0.479 | -8.9 | 87 | 0.00 |
| 58 | | Fluorene | 1.494 | 1.516 | -1.5 | 83 | -0.01 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.417 | 0.423 | -1.4 | 81 | -0.01 |
| 60 | | Diethylphthalate | 1.661 | 1.567 | 5.7 | 76 | -0.01 |
| 61 | | 4-Chlorophenyl-phenylether | 0.805 | 0.863 | -7.2 | 88 | -0.01 |
| 62 | | 4-Nitroaniline | 0.394 | 0.394 | 0.0 | 81 | 0.00 |
| 63 | | Azobenzene | 1.725 | 1.585 | 8.1 | 74 | -0.01 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.087 | 0.075 | 13.8 | 79 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.602 | 0.557 | 7.5 | 81 | -0.01 |
| 67 | | 4-Bromophenyl-phenylether | 0.250 | 0.252 | -0.8 | 91 | 0.00 |
| 68 | | Hexachlorobenzene | 0.271 | 0.259 | 4.4 | 86 | -0.01 |
| 69 | | Atrazine | 0.221 | 0.207 | 6.3 | 79 | 0.00 |
| 70 | C | Pentachlorophenol | 0.149 | 0.137 | 8.1 | 79 | 0.00 |
| 71 | | Phenanthrene | 1.069 | 1.040 | 2.7 | 86 | 0.00 |
| 72 | | Anthracene | 1.054 | 1.052 | 0.2 | 87 | -0.01 |
| 73 | | Carbazole | 1.012 | 1.039 | -2.7 | 90 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.231 | 1.166 | 5.3 | 81 | -0.01 |
| 75 | C | Fluoranthene | 1.273 | 1.358 | -6.7 | 93 | -0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 103 | 0.00 |
| 77 | | Benzidine | 0.649 | 0.572 | 11.9 | 84 | 0.00 |
| 78 | | Pyrene | 1.467 | 1.309 | 10.8 | 94 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.069 | 0.932 | 12.8 | 95 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.653 | 0.485 | 25.7# | 78 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.440 | 1.304 | 9.4 | 96 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.557 | 0.483 | 13.3 | 90 | 0.00 |
| 83 | | Chrysene | 1.376 | 1.248 | 9.3 | 97 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.901 | 0.704 | 21.9 | 83 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.508 | 1.187 | 21.3# | 82 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.804 | 1.650 | 8.5 | 98 | -0.02 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.320 | 1.211 | 8.3 | 94 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.250 | 1.207 | 3.4 | 101 | -0.01 |
| 90 C | Benzo(a)pyrene | 1.235 | 1.168 | 5.4 | 98 | -0.01 |
| 91 | Dibenzo(a,h)anthracene | 1.219 | 1.156 | 5.2 | 98 | -0.02 |
| 92 | Benzo(g,h,i)perylene | 1.231 | 1.187 | 3.6 | 100 | -0.02 |

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