# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012220\
Data File : BF118664.D
Acq On : 22 Jan 2020 14:52
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_F
**LabSampleId :** SSTDCCC040

Quant Time: Jan 22 18:07:14 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 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 | 83 | 0.00 |
| 2 | | 1,4-Dioxane | 0.522 | 0.527 | -1.0 | 80 | -0.02 |
| 3 | | Pyridine | 1.470 | 1.492 | -1.5 | 80 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.630 | 0.558 | 11.4 | 69 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.077 | 1.115 | -3.5 | 81 | 0.00 |
| 6 | | Aniline | 1.843 | 1.911 | -3.7 | 82 | 0.00 |
| 7 | S | Phenol-d6 | 1.400 | 1.435 | -2.5 | 80 | 0.00 |
| 8 | | 2-Chlorophenol | 1.209 | 1.256 | -3.9 | 81 | 0.00 |
| 9 | | Benzaldehyde | 0.851 | 0.876 | -2.9 | 83 | 0.00 |
| 10 | C | Phenol | 1.595 | 1.625 | -1.9 | 80 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.183 | 1.211 | -2.4 | 80 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.415 | 1.479 | -4.5 | 82 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.420 | 1.491 | -5.0 | 81 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.335 | 1.391 | -4.2 | 81 | 0.00 |
| 15 | | Benzyl Alcohol | 1.110 | 1.135 | -2.3 | 81 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.648 | 1.637 | 0.7 | 78 | 0.00 |
| 17 | | 2-Methylphenol | 1.007 | 1.050 | -4.3 | 82 | 0.00 |
| 18 | | Hexachloroethane | 0.515 | 0.520 | -1.0 | 80 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.945 | 0.904 | 4.3 | 76 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.229 | 1.276 | -3.8 | 79 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 22 | | Acetophenone | 0.474 | 0.465 | 1.9 | 77 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.358 | 0.363 | -1.4 | 81 | 0.00 |
| 24 | | Nitrobenzene | 0.366 | 0.367 | -0.3 | 80 | 0.00 |
| 25 | | Isophorone | 0.652 | 0.654 | -0.3 | 82 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.156 | 0.182 | -16.7 | 96 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.270 | 0.263 | 2.6 | 78 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.420 | 0.424 | -1.0 | 81 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.298 | 0.314 | -5.4 | 84 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.346 | 0.355 | -2.6 | 82 | 0.00 |
| 31 | | Naphthalene | 0.903 | 0.972 | -7.6 | 84 | 0.00 |
| 32 | | Benzoic acid | 0.202 | 0.227 | -12.4 | 92 | 0.00 |
| 33 | | 4-Chloroaniline | 0.418 | 0.446 | -6.7 | 84 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.210 | 0.215 | -2.4 | 81 | 0.00 |
| 35 | | Caprolactam | 0.098 | 0.104 | -6.1 | 89 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.294 | 0.308 | -4.8 | 84 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.638 | 0.676 | -6.0 | 83 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.606 | 0.639 | -5.4 | 83 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 86 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.626 | 0.629 | -0.5 | 81 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.316 | 0.275 | 13.0 | 72 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.231 | 0.245 | -6.1 | 86 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.415 | 0.427 | -2.9 | 86 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.424 | 0.438 | -3.3 | 86 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.217 | 1.140 | 6.3 | 83 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.378 | 1.435 | -4.1 | 83 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.162 | 1.191 | -2.5 | 83 | 0.00 |
| 48 | | 2-Nitroaniline | 0.357 | 0.361 | -1.1 | 84 | 0.00 |
| 49 | | Acenaphthylene | 1.634 | 1.735 | -6.2 | 85 | 0.00 |
| 50 | | Dimethylphthalate | 1.303 | 1.375 | -5.5 | 88 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.292 | 0.322 | -10.3 | 93 | 0.00 |
| 52 | C | Acenaphthene | 1.093 | 1.145 | -4.8 | 85 | 0.00 |
| 53 | | 3-Nitroaniline | 0.333 | 0.369 | -10.8 | 92 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.116 | 0.139 | -19.8 | 107 | 0.00 |
| 55 | | Dibenzofuran | 1.515 | 1.620 | -6.9 | 86 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.252 | 0.271 | -7.5 | 89 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.368 | 0.425 | -15.5 | 98 | 0.00 |
| 58 | | Fluorene | 1.189 | 1.222 | -2.8 | 82 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.373 | 0.396 | -6.2 | 88 | 0.00 |
| 60 | | Diethylphthalate | 1.263 | 1.332 | -5.5 | 86 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.647 | 0.654 | -1.1 | 81 | 0.00 |
| 62 | | 4-Nitroaniline | 0.342 | 0.361 | -5.6 | 89 | 0.00 |
| 63 | | Azobenzene | 1.224 | 1.231 | -0.6 | 82 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.088 | 0.106 | -20.5 | 107 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.603 | 0.619 | -2.7 | 86 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.247 | 0.252 | -2.0 | 86 | 0.00 |
| 68 | | Hexachlorobenzene | 0.280 | 0.284 | -1.4 | 86 | 0.00 |
| 69 | | Atrazine | 0.209 | 0.218 | -4.3 | 89 | 0.00 |
| 70 | C | Pentachlorophenol | 0.156 | 0.163 | -4.5 | 90 | 0.00 |
| 71 | | Phenanthrene | 0.965 | 1.010 | -4.7 | 86 | 0.00 |
| 72 | | Anthracene | 0.955 | 1.003 | -5.0 | 87 | 0.00 |
| 73 | | Carbazole | 0.876 | 0.928 | -5.9 | 87 | 0.00 |
| 74 | | Di-n-butylphthalate | 0.973 | 1.054 | -8.3 | 90 | -0.01 |
| 75 | C | Fluoranthene | 1.018 | 1.084 | -6.5 | 87 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 84 | 0.00 |
| 77 | | Benzidine | 0.534 | 0.644 | -20.6 | 94 | 0.00 |
| 78 | | Pyrene | 1.358 | 1.483 | -9.2 | 88 | 0.00 |
| 79 | S | Terphenyl-d14 | 0.917 | 0.978 | -6.7 | 85 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.556 | 0.607 | -9.2 | 90 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.203 | 1.240 | -3.1 | 81 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.429 | 0.460 | -7.2 | 83 | -0.01 |
| 83 | | Chrysene | 1.153 | 1.213 | -5.2 | 84 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.679 | 0.713 | -5.0 | 85 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.005 | 1.071 | -6.6 | 88 | -0.02 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.002 | 1.052 | -5.0 | 94 | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.257 | 1.255 | 0.2 | 80 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.165 | 1.240 | -6.4 | 90 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.084 | 1.105 | -1.9 | 86 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 0.959 | 1.014 | -5.7 | 93 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 0.931 | 1.018 | -9.3 | 96 | -0.01 |

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