# Evaluate Continuing Calibration Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030620\
Data File : BF119275.D
Acq On : 7 Mar 2020 4:00
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 09 04:06:51 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 06 23:38:46 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 | 57 | 0.00 |
| 2 | | 1,4-Dioxane | 0.533 | 0.499 | 6.4 | 57 | -0.04 |
| 3 | | Pyridine | 1.455 | 1.383 | 4.9 | 58 | -0.04 |
| 4 | | n-Nitrosodimethylamine | 0.441 | 0.447 | -1.4 | 62 | -0.04 |
| 5 | S | 2-Fluorophenol | 1.197 | 1.271 | -6.2 | 63 | 0.00 |
| 6 | | Aniline | 1.796 | 1.746 | 2.8 | 57 | 0.00 |
| 7 | S | Phenol-d6 | 1.455 | 1.487 | -2.2 | 61 | 0.00 |
| 8 | | 2-Chlorophenol | 1.292 | 1.324 | -2.5 | 61 | 0.00 |
| 9 | | Benzaldehyde | 0.972 | 0.862 | 11.3 | 53 | 0.00 |
| 10 | C | Phenol | 1.574 | 1.612 | -2.4 | 61 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.204 | 1.180 | 2.0 | 59 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.548 | 1.564 | -1.0 | 61 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.549 | 1.591 | -2.7 | 61 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.413 | 1.472 | -4.2 | 62 | 0.00 |
| 15 | | Benzyl Alcohol | 1.052 | 1.083 | -2.9 | 61 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.043 | 0.994 | 4.7 | 58 | 0.00 |
| 17 | | 2-Methylphenol | 1.047 | 1.049 | -0.2 | 60 | 0.00 |
| 18 | | Hexachloroethane | 0.554 | 0.454 | 18.1 | 50# | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.848 | 0.887 | -4.6 | 64 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.283 | 1.388 | -8.2 | 67 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 58 | 0.00 |
| 22 | | Acetophenone | 0.463 | 0.482 | -4.1 | 63 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.379 | 0.383 | -1.1 | 62 | 0.00 |
| 24 | | Nitrobenzene | 0.375 | 0.376 | -0.3 | 62 | 0.00 |
| 25 | | Isophorone | 0.658 | 0.639 | 2.9 | 60 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.198 | 0.176 | 11.1 | 54 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.269 | 0.261 | 3.0 | 59 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.428 | 0.413 | 3.5 | 59 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.317 | 0.310 | 2.2 | 59 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.376 | 0.363 | 3.5 | 58 | 0.00 |
| 31 | | Naphthalene | 1.037 | 1.026 | 1.1 | 60 | 0.00 |
| 32 | | Benzoic acid | 0.184 | 0.140 | 23.9 | 47# | -0.01 |
| 33 | | 4-Chloroaniline | 0.446 | 0.439 | 1.6 | 59 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.234 | 0.226 | 3.4 | 59 | 0.00 |
| 35 | | Caprolactam | 0.098 | 0.098 | 0.0 | 60 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.321 | 0.324 | -0.9 | 61 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.698 | 0.685 | 1.9 | 60 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.656 | 0.645 | 1.7 | 59 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 55 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.674 | 0.676 | -0.3 | 58 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.198 | 0.003# | 98.5# | 1# | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.262 | 0.242 | 7.6 | 54 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.426 | 0.430 | -0.9 | 59 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.447 | 0.433 | 3.1 | 56 | 0.00 |

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|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.358 | 1.383 | -1.8 | 61 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.616 | 1.661 | -2.8 | 59 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.303 | 1.322 | -1.5 | 59 | 0.00 |
| 48 | | 2-Nitroaniline | 0.363 | 0.404 | -11.3 | 65 | 0.00 |
| 49 | | Acenaphthylene | 1.881 | 1.886 | -0.3 | 58 | 0.00 |
| 50 | | Dimethylphthalate | 1.529 | 1.562 | -2.2 | 60 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.340 | 0.321 | 5.6 | 55 | 0.00 |
| 52 | C | Acenaphthene | 1.134 | 1.141 | -0.6 | 58 | 0.00 |
| 53 | | 3-Nitroaniline | 0.377 | 0.398 | -5.6 | 61 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.140 | 0.013# | 90.7# | 5# | 0.02 |
| 55 | | Dibenzofuran | 1.693 | 1.681 | 0.7 | 56 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.226 | 0.202 | 10.6 | 51 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.440 | 0.400 | 9.1 | 52 | 0.00 |
| 58 | | Fluorene | 1.316 | 1.342 | -2.0 | 58 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.377 | 0.350 | 7.2 | 55 | 0.00 |
| 60 | | Diethylphthalate | 1.441 | 1.486 | -3.1 | 60 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.696 | 0.711 | -2.2 | 59 | 0.00 |
| 62 | | 4-Nitroaniline | 0.385 | 0.375 | 2.6 | 56 | 0.00 |
| 63 | | Azobenzene | 1.253 | 1.254 | -0.1 | 58 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 51 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.121 | 0.022 | 81.8# | 10# | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.655 | 0.701 | -7.0 | 57 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.261 | 0.265 | -1.5 | 55 | 0.00 |
| 68 | | Hexachlorobenzene | 0.301 | 0.300 | 0.3 | 54 | 0.00 |
| 69 | | Atrazine | 0.229 | 0.196 | 14.4 | 46# | 0.00 |
| 70 | C | Pentachlorophenol | 0.121 | 0.212 | -75.2# | 96 | 0.00 |
| 71 | | Phenanthrene | 1.091 | 1.115 | -2.2 | 55 | 0.00 |
| 72 | | Anthracene | 1.090 | 1.115 | -2.3 | 54 | 0.00 |
| 73 | | Carbazole | 0.971 | 1.005 | -3.5 | 55 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.176 | 1.270 | -8.0 | 58 | 0.00 |
| 75 | C | Fluoranthene | 1.158 | 1.164 | -0.5 | 53 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 54 | 0.00 |
| 77 | | Benzidine | 0.813 | 1.021 | -25.6# | 70 | 0.00 |
| 78 | | Pyrene | 1.606 | 1.429 | 11.0 | 53 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.162 | 1.103 | 5.1 | 57 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.676 | 0.635 | 6.1 | 55 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.363 | 1.378 | -1.1 | 58 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.529 | 0.568 | -7.4 | 59 | 0.00 |
| 83 | | Chrysene | 1.358 | 1.332 | 1.9 | 57 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.854 | 0.864 | -1.2 | 58 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.361 | 1.445 | -6.2 | 58 | 0.00 |
| 86 | | Indeno(1,2,3-cd)pyrene | 1.315 | 1.004 | 23.7 | 34# | 0.00 |
| 87 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 35# | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.318 | 1.429 | -8.4 | 57 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.222 | 1.280 | -4.7 | 50 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.190 | 1.182 | 0.7 | 37# | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.047 | 0.917 | 12.4 | 35# | 0.00 |
| 92 | Benzo(g,h,i)perylene | 1.034 | 0.816 | 21.1 | 32# | 0.00 |

(#) = Out of Range SPCC's out = 2 CCC's out = 1