# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010523\
Data File : BF131914.D
Acq On : 05 Jan 2023 14:35
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 06 03:09:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 03:02:38 2023
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 | 90 | 0.00 |
| 2 | | 1,4-Dioxane | 0.560 | 0.579 | -3.4 | 91 | 0.00 |
| 3 | | Pyridine | 1.573 | 1.635 | -3.9 | 89 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.740 | 0.770 | -4.1 | 91 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.207 | 1.225 | -1.5 | 90 | 0.00 |
| 6 | | Aniline | 1.923 | 1.944 | -1.1 | 90 | 0.00 |
| 7 | S | Phenol-d6 | 1.586 | 1.606 | -1.3 | 91 | 0.00 |
| 8 | | 2-Chlorophenol | 1.271 | 1.266 | 0.4 | 88 | 0.00 |
| 9 | | Benzaldehyde | 1.017 | 0.989 | 2.8 | 95 | 0.00 |
| 10 | C | Phenol | 1.888 | 1.920 | -1.7 | 90 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.350 | 1.305 | 3.3 | 86 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.453 | 1.428 | 1.7 | 88 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.464 | 1.454 | 0.7 | 88 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.376 | 1.375 | 0.1 | 90 | 0.00 |
| 15 | | Benzyl Alcohol | 1.390 | 1.426 | -2.6 | 90 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.723 | 1.663 | 3.5 | 86 | 0.00 |
| 17 | | 2-Methylphenol | 1.162 | 1.168 | -0.5 | 90 | 0.00 |
| 18 | | Hexachloroethane | 0.591 | 0.585 | 1.0 | 88 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.120 | 1.091 | 2.6 | 89 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.517 | 1.516 | 0.1 | 89 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 22 | | Acetophenone | 0.586 | 0.574 | 2.0 | 91 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.501 | 0.484 | 3.4 | 88 | 0.00 |
| 24 | | Nitrobenzene | 0.502 | 0.498 | 0.8 | 90 | 0.00 |
| 25 | | Isophorone | 0.818 | 0.801 | 2.1 | 90 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.195 | 0.200 | -2.6 | 93 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.278 | 0.275 | 1.1 | 90 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.439 | 0.420 | 4.3 | 88 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.335 | 0.333 | 0.6 | 91 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.398 | 0.385 | 3.3 | 89 | 0.00 |
| 31 | | Naphthalene | 1.095 | 1.071 | 2.2 | 90 | 0.00 |
| 32 | | Benzoic acid | 0.204 | 0.191 | 6.4 | 80 | 0.00 |
| 33 | | 4-Chloroaniline | 0.420 | 0.415 | 1.2 | 90 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.272 | 0.257 | 5.5 | 87 | 0.00 |
| 35 | | Caprolactam | 0.099 | 0.098 | 1.0 | 89 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.379 | 0.380 | -0.3 | 91 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.735 | 0.720 | 2.0 | 90 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.714 | 0.699 | 2.1 | 90 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.702 | 0.666 | 5.1 | 90 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.268 | 0.244 | 9.0 | 82 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.217 | 0.207 | 4.6 | 88 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.450 | 0.426 | 5.3 | 88 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.486 | 0.476 | 2.1 | 91 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.460 | 1.399 | 4.2 | 92 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.531 | 1.470 | 4.0 | 91 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.267 | 1.212 | 4.3 | 90 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.464 | 0.459 | 1.1 | 91 | 0.00 |
| 49 | | Acenaphthylene | 1.886 | 1.834 | 2.8 | 90 | 0.00 |
| 50 | | Dimethylphthalate | 1.513 | 1.467 | 3.0 | 91 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.328 | 0.322 | 1.8 | 90 | 0.00 |
| 52 | C | Acenaphthene | 1.138 | 1.102 | 3.2 | 91 | 0.00 |
| 53 | | 3-Nitroaniline | 0.334 | 0.334 | 0.0 | 92 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.188 | 0.167 | 11.2 | 82 | 0.00 |
| 55 | | Dibenzofuran | 1.754 | 1.706 | 2.7 | 91 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.234 | 0.210 | 10.3 | 80 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.448 | 0.448 | 0.0 | 92 | 0.00 |
| 58 | | Fluorene | 1.432 | 1.397 | 2.4 | 91 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.399 | 0.382 | 4.3 | 88 | 0.00 |
| 60 | | Diethylphthalate | 1.456 | 1.411 | 3.1 | 90 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.744 | 0.715 | 3.9 | 90 | 0.00 |
| 62 | | 4-Nitroaniline | 0.348 | 0.337 | 3.2 | 89 | 0.00 |
| 63 | | Azobenzene | 1.616 | 1.555 | 3.8 | 90 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.136 | 0.132 | 2.9 | 88 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.610 | 0.581 | 4.8 | 90 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.232 | 0.224 | 3.4 | 92 | 0.00 |
| 68 | | Hexachlorobenzene | 0.255 | 0.246 | 3.5 | 92 | 0.00 |
| 69 | | Atrazine | 0.201 | 0.201 | 0.0 | 92 | 0.00 |
| 70 | C | Pentachlorophenol | 0.126 | 0.104 | 17.5 | 72 | 0.00 |
| 71 | | Phenanthrene | 1.100 | 1.052 | 4.4 | 91 | 0.00 |
| 72 | | Anthracene | 1.076 | 1.021 | 5.1 | 90 | 0.00 |
| 73 | | Carbazole | 0.950 | 0.896 | 5.7 | 89 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.148 | 1.062 | 7.5 | 87 | 0.00 |
| 75 | C | Fluoranthene | 1.281 | 1.179 | 8.0 | 87 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 77 | | Benzidine | 0.329 | 0.301 | 8.5 | 73 | 0.00 |
| 78 | | Pyrene | 1.676 | 1.950 | -16.3 | 87 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.182 | 1.337 | -13.1 | 84 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.622 | 0.657 | -5.6 | 77 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.448 | 1.473 | -1.7 | 76 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.419 | 0.405 | 3.3 | 73 | 0.00 |
| 83 | | Chrysene | 1.361 | 1.381 | -1.5 | 75 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.757 | 0.738 | 2.5 | 73 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.019 | 0.965 | 5.3 | 71 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 89 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.271 | 1.424 | -12.0 | 97 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.466 | 1.320 | 10.0 | 77 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.417 | 1.343 | 5.2 | 84 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.135 | 1.074 | 5.4 | 84 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.041 | 1.188 | -14.1 | 99 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.046 | 1.186 | -13.4 | 97 | 0.00 |

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