# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101921\
Data File : BF125892.D
Acq On : 19 Oct 2021 10:50
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Oct 19 13:07:52 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100721.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 18 12:43:03 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 | 75 | 0.00 |
| 2 | | 1,4-Dioxane | 0.521 | 0.515 | 1.2 | 77 | -0.01 |
| 3 | | Pyridine | 1.349 | 1.326 | 1.7 | 74 | -0.02 |
| 4 | | n-Nitrosodimethylamine | 0.485 | 0.462 | 4.7 | 73 | -0.02 |
| 5 | S | 2-Fluorophenol | 1.224 | 1.217 | 0.6 | 78 | 0.00 |
| 6 | | Aniline | 1.815 | 1.759 | 3.1 | 75 | 0.00 |
| 7 | S | Phenol-d6 | 1.576 | 1.536 | 2.5 | 77 | 0.00 |
| 8 | | 2-Chlorophenol | 1.341 | 1.306 | 2.6 | 75 | 0.00 |
| 9 | | Benzaldehyde | 0.855 | 0.798 | 6.7 | 68 | 0.00 |
| 10 | C | Phenol | 1.533 | 1.618 | -5.5 | 82 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.242 | 1.190 | 4.2 | 74 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.463 | 1.424 | 2.7 | 76 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.492 | 1.433 | 4.0 | 75 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.397 | 1.357 | 2.9 | 75 | 0.00 |
| 15 | | Benzyl Alcohol | 1.044 | 1.009 | 3.4 | 74 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.588 | 1.421 | 10.5 | 69 | 0.00 |
| 17 | | 2-Methylphenol | 1.068 | 1.021 | 4.4 | 75 | 0.00 |
| 18 | | Hexachloroethane | 0.514 | 0.496 | 3.5 | 74 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.832 | 0.740 | 11.1 | 69 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.317 | 1.253 | 4.9 | 74 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 72 | 0.00 |
| 22 | | Acetophenone | 0.440 | 0.423 | 3.9 | 73 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.322 | 0.327 | -1.6 | 74 | 0.00 |
| 24 | | Nitrobenzene | 0.312 | 0.315 | -1.0 | 74 | 0.00 |
| 25 | | Isophorone | 0.570 | 0.537 | 5.8 | 70 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.158 | 0.179 | -13.3 | 78 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.263 | 0.264 | -0.4 | 74 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.396 | 0.374 | 5.6 | 71 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.283 | 0.282 | 0.4 | 74 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.310 | 0.303 | 2.3 | 73 | 0.00 |
| 31 | | Naphthalene | 0.967 | 0.959 | 0.8 | 74 | 0.00 |
| 32 | | Benzoic acid | 0.185 | 0.211 | -14.1 | 78 | 0.00 |
| 33 | | 4-Chloroaniline | 0.405 | 0.396 | 2.2 | 72 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.173 | 0.169 | 2.3 | 72 | 0.00 |
| 35 | | Caprolactam | 0.082 | 0.086 | -4.9 | 77 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.276 | 0.272 | 1.4 | 73 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.626 | 0.605 | 3.4 | 72 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.608 | 0.593 | 2.5 | 73 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 70 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.537 | 0.536 | 0.2 | 71 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.263 | 0.218 | 17.1 | 55 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.197 | 0.206 | -4.6 | 74 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.389 | 0.398 | -2.3 | 73 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.414 | 0.417 | -0.7 | 71 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.160 | 1.229 | -5.9 | 75 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.470 | 1.461 | 0.6 | 72 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.194 | 1.177 | 1.4 | 71 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.287 | 0.311 | -8.4 | 74 | 0.00 |
| 49 | | Acenaphthylene | 1.748 | 1.762 | -0.8 | 72 | 0.00 |
| 50 | | Dimethylphthalate | 1.317 | 1.299 | 1.4 | 70 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.266 | 0.288 | -8.3 | 75 | 0.00 |
| 52 | C | Acenaphthene | 1.092 | 1.102 | -0.9 | 72 | 0.00 |
| 53 | | 3-Nitroaniline | 0.315 | 0.341 | -8.3 | 75 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.113 | 0.134 | -18.6 | 79 | 0.00 |
| 55 | | Dibenzofuran | 1.636 | 1.624 | 0.7 | 71 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.235 | 0.267 | -13.6 | 77 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.336 | 0.377 | -12.2 | 76 | 0.00 |
| 58 | | Fluorene | 1.199 | 1.188 | 0.9 | 73 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.312 | 0.316 | -1.3 | 73 | 0.00 |
| 60 | | Diethylphthalate | 1.256 | 1.209 | 3.7 | 69 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.577 | 0.559 | 3.1 | 71 | 0.00 |
| 62 | | 4-Nitroaniline | 0.291 | 0.330 | -13.4 | 78 | 0.00 |
| 63 | | Azobenzene | 1.181 | 1.120 | 5.2 | 68 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 72 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.100 | 0.125 | -25.0 | 83 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.682 | 0.663 | 2.8 | 72 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.221 | 0.209 | 5.4 | 70 | 0.00 |
| 68 | | Hexachlorobenzene | 0.251 | 0.242 | 3.6 | 73 | 0.00 |
| 69 | | Atrazine | 0.198 | 0.198 | 0.0 | 73 | 0.00 |
| 70 | C | Pentachlorophenol | 0.134 | 0.143 | -6.7 | 74 | 0.00 |
| 71 | | Phenanthrene | 1.070 | 1.068 | 0.2 | 75 | 0.00 |
| 72 | | Anthracene | 1.069 | 1.064 | 0.5 | 74 | 0.00 |
| 73 | | Carbazole | 0.995 | 1.068 | -7.3 | 80 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.098 | 1.110 | -1.1 | 74 | 0.00 |
| 75 | C | Fluoranthene | 0.966 | 1.056 | -9.3 | 83 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 77 | | Benzidine | 0.732 | 0.666 | 9.0 | 90 | 0.00 |
| 78 | | Pyrene | 2.032 | 1.779 | 12.5 | 86 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.313 | 1.153 | 12.2 | 85 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.651 | 0.676 | -3.8 | 103 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.298 | 1.285 | 1.0 | 101 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.410 | 0.409 | 0.2 | 95 | 0.00 |
| 83 | | Chrysene | 1.283 | 1.240 | 3.4 | 98 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.709 | 0.742 | -4.7 | 103 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.181 | 1.074 | 9.1 | 83 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 66 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.526 | 1.585 | -3.9 | 69 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.129 | 1.212 | -7.4 | 71 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.159 | 1.244 | -7.3 | 72 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.000 | 1.033 | -3.3 | 68 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.259 | 1.279 | -1.6 | 67 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.286 | 1.379 | -7.2 | 71 | 0.00 |

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