# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031424\
Data File : BF137589.D
Acq On : 14 Mar 2024 14:02
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Mar 14 14:50:21 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 14 14:45:20 2024
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 | 89 | 0.00 |
| 2 | | 1,4-Dioxane | 0.722 | 0.733 | -1.5 | 88 | 0.00 |
| 3 | | Pyridine | 1.741 | 1.804 | -3.6 | 84 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.652 | 0.680 | -4.3 | 87 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.321 | 1.376 | -4.2 | 89 | 0.00 |
| 6 | | Aniline | 2.329 | 2.312 | 0.7 | 84 | 0.00 |
| 7 | S | Phenol-d6 | 1.906 | 1.867 | 2.0 | 87 | 0.00 |
| 8 | | 2-Chlorophenol | 1.393 | 1.424 | -2.2 | 90 | 0.00 |
| 9 | | Benzaldehyde | 0.934 | 0.928 | 0.6 | 83 | 0.00 |
| 10 | C | Phenol | 2.052 | 2.028 | 1.2 | 85 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.503 | 1.516 | -0.9 | 86 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.488 | 1.485 | 0.2 | 88 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.523 | 1.506 | 1.1 | 87 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.398 | 1.380 | 1.3 | 88 | 0.00 |
| 15 | | Benzyl Alcohol | 1.187 | 1.172 | 1.3 | 82 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.584 | 2.334 | 9.7 | 80 | 0.00 |
| 17 | | 2-Methylphenol | 1.303 | 1.284 | 1.5 | 86 | 0.00 |
| 18 | | Hexachloroethane | 0.501 | 0.517 | -3.2 | 90 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.177 | 1.046 | 11.1 | 80 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.493 | 1.449 | 2.9 | 86 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 22 | | Acetophenone | 0.484 | 0.478 | 1.2 | 84 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.430 | 0.433 | -0.7 | 83 | 0.00 |
| 24 | | Nitrobenzene | 0.432 | 0.436 | -0.9 | 84 | 0.00 |
| 25 | | Isophorone | 0.818 | 0.768 | 6.1 | 79 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.172 | 0.175 | -1.7 | 83 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.321 | 0.323 | -0.6 | 84 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.480 | 0.478 | 0.4 | 83 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.294 | 0.302 | -2.7 | 85 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.310 | 0.315 | -1.6 | 86 | 0.00 |
| 31 | | Naphthalene | 1.073 | 1.065 | 0.7 | 85 | 0.00 |
| 32 | | Benzoic acid | 0.167 | 0.125 | 25.1# | 64 | 0.00 |
| 33 | | 4-Chloroaniline | 0.421 | 0.424 | -0.7 | 81 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.183 | 0.186 | -1.6 | 86 | 0.00 |
| 35 | | Caprolactam | 0.100 | 0.098 | 2.0 | 81 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.329 | 0.315 | 4.3 | 80 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.684 | 0.668 | 2.3 | 83 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.644 | 0.624 | 3.1 | 83 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 79 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.558 | 0.589 | -5.6 | 83 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.180 | 0.195 | -8.3 | 82 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.176 | 0.175 | 0.6 | 79 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.364 | 0.375 | -3.0 | 80 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.419 | 0.425 | -1.4 | 79 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.278 | 1.258 | 1.6 | 81 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.464 | 1.485 | -1.4 | 81 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.116 | 1.146 | -2.7 | 81 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.379 | 0.392 | -3.4 | 77 | 0.00 |
| 49 | | Acenaphthylene | 1.786 | 1.797 | -0.6 | 79 | 0.00 |
| 50 | | Dimethylphthalate | 1.392 | 1.359 | 2.4 | 78 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.291 | 0.297 | -2.1 | 79 | 0.00 |
| 52 | C | Acenaphthene | 1.066 | 1.049 | 1.6 | 79 | 0.00 |
| 53 | | 3-Nitroaniline | 0.308 | 0.320 | -3.9 | 77 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.111 | 0.093 | 16.2 | 60 | 0.00 |
| 55 | | Dibenzofuran | 1.624 | 1.591 | 2.0 | 78 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.190 | 0.181 | 4.7 | 70 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.358 | 0.369 | -3.1 | 78 | 0.00 |
| 58 | | Fluorene | 1.247 | 1.187 | 4.8 | 78 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.336 | 0.327 | 2.7 | 76 | 0.00 |
| 60 | | Diethylphthalate | 1.315 | 1.243 | 5.5 | 75 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.611 | 0.578 | 5.4 | 78 | 0.00 |
| 62 | | 4-Nitroaniline | 0.265 | 0.247 | 6.8 | 72 | 0.00 |
| 63 | | Azobenzene | 1.514 | 1.395 | 7.9 | 73 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 74 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.111 | 0.115 | -3.6 | 73 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.644 | 0.659 | -2.3 | 77 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.218 | 0.228 | -4.6 | 77 | 0.00 |
| 68 | | Hexachlorobenzene | 0.220 | 0.225 | -2.3 | 77 | 0.00 |
| 69 | | Atrazine | 0.196 | 0.199 | -1.5 | 75 | 0.00 |
| 70 | C | Pentachlorophenol | 0.133 | 0.131 | 1.5 | 70 | 0.00 |
| 71 | | Phenanthrene | 1.088 | 1.086 | 0.2 | 76 | 0.00 |
| 72 | | Anthracene | 1.118 | 1.129 | -1.0 | 77 | 0.00 |
| 73 | | Carbazole | 0.958 | 0.971 | -1.4 | 76 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.139 | 1.120 | 1.7 | 73 | 0.00 |
| 75 | C | Fluoranthene | 1.064 | 1.052 | 1.1 | 76 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 93 | 0.00 |
| 77 | | Benzidine | 0.489 | 0.236 | 51.7# | 39# | 0.00 |
| 78 | | Pyrene | 1.962 | 1.712 | 12.7 | 77 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.454 | 1.236 | 15.0 | 77 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.501 | 0.555 | -10.8 | 98 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.402 | 1.368 | 2.4 | 90 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.373 | 0.434 | -16.4 | 97 | 0.00 |
| 83 | | Chrysene | 1.417 | 1.397 | 1.4 | 90 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.637 | 0.751 | -17.9 | 103 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.120 | 1.297 | -15.8 | 101 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 98 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.316 | 1.216 | 7.6 | 86 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.183 | 1.174 | 0.8 | 96 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.271 | 1.239 | 2.5 | 99 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.166 | 1.169 | -0.3 | 95 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.068 | 0.981 | 8.1 | 85 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.096 | 1.017 | 7.2 | 86 | 0.00 |

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