# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070824\
Data File : BF138478.D
Acq On : 08 Jul 2024 12:34
Operator : CG\JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 08 12:58:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062824.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jun 29 02:44:30 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 | 80 | 0.00 |
| 2 | | 1,4-Dioxane | 0.568 | 0.546 | 3.9 | 76 | -0.01 |
| 3 | | Pyridine | 1.356 | 1.378 | -1.6 | 79 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.846 | 0.916 | -8.3 | 84 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.206 | 1.209 | -0.2 | 80 | 0.00 |
| 6 | | Aniline | 1.586 | 1.603 | -1.1 | 82 | 0.00 |
| 7 | S | Phenol-d6 | 1.625 | 1.638 | -0.8 | 82 | 0.00 |
| 8 | | 2-Chlorophenol | 1.295 | 1.321 | -2.0 | 82 | 0.00 |
| 9 | | Benzaldehyde | 1.003 | 0.994 | 0.9 | 83 | 0.00 |
| 10 | C | Phenol | 1.731 | 1.729 | 0.1 | 81 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.360 | 1.313 | 3.5 | 77 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.483 | 1.485 | -0.1 | 80 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.487 | 1.481 | 0.4 | 81 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.373 | 1.380 | -0.5 | 82 | 0.00 |
| 15 | | Benzyl Alcohol | 1.164 | 1.242 | -6.7 | 84 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.743 | 2.637 | 3.9 | 77 | 0.00 |
| 17 | | 2-Methylphenol | 1.073 | 1.093 | -1.9 | 82 | 0.00 |
| 18 | | Hexachloroethane | 0.536 | 0.551 | -2.8 | 81 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.024 | 1.001 | 2.2 | 80 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.247 | 1.314 | -5.4 | 83 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 22 | | Acetophenone | 0.454 | 0.462 | -1.8 | 82 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.385 | 0.421 | -9.4 | 86 | 0.00 |
| 24 | | Nitrobenzene | 0.392 | 0.409 | -4.3 | 82 | 0.00 |
| 25 | | Isophorone | 0.710 | 0.706 | 0.6 | 79 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.169 | 0.187 | -10.7 | 82 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.216 | 0.216 | 0.0 | 78 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.427 | 0.416 | 2.6 | 77 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.278 | 0.282 | -1.4 | 79 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.323 | 0.323 | 0.0 | 79 | 0.00 |
| 31 | | Naphthalene | 1.011 | 1.000 | 1.1 | 78 | 0.00 |
| 32 | | Benzoic acid | 0.183 | 0.207 | -13.1 | 85 | 0.00 |
| 33 | | 4-Chloroaniline | 0.353 | 0.353 | 0.0 | 80 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.194 | 0.200 | -3.1 | 81 | 0.00 |
| 35 | | Caprolactam | 0.088 | 0.088 | 0.0 | 79 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.296 | 0.304 | -2.7 | 82 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.653 | 0.640 | 2.0 | 79 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.634 | 0.618 | 2.5 | 78 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 78 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.553 | 0.544 | 1.6 | 79 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.163 | 0.129 | 20.9 | 58 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.163 | 0.164 | -0.6 | 78 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.352 | 0.352 | 0.0 | 77 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.383 | 0.380 | 0.8 | 77 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.257 | 1.273 | -1.3 | 83 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.493 | 1.440 | 3.5 | 77 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.139 | 1.125 | 1.2 | 79 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.367 | 0.392 | -6.8 | 83 | 0.00 |
| 49 | | Acenaphthylene | 1.601 | 1.568 | 2.1 | 79 | 0.00 |
| 50 | | Dimethylphthalate | 1.285 | 1.260 | 1.9 | 79 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.288 | 0.294 | -2.1 | 80 | 0.00 |
| 52 | C | Acenaphthene | 1.096 | 1.092 | 0.4 | 79 | 0.00 |
| 53 | | 3-Nitroaniline | 0.284 | 0.291 | -2.5 | 80 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.094 | 0.114 | -21.3 | 91 | 0.00 |
| 55 | | Dibenzofuran | 1.511 | 1.473 | 2.5 | 78 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.184 | 0.191 | -3.8 | 78 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.354 | 0.374 | -5.6 | 80 | 0.00 |
| 58 | | Fluorene | 1.200 | 1.157 | 3.6 | 82 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.284 | 0.287 | -1.1 | 77 | 0.00 |
| 60 | | Diethylphthalate | 1.202 | 1.207 | -0.4 | 81 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.609 | 0.571 | 6.2 | 79 | 0.00 |
| 62 | | 4-Nitroaniline | 0.261 | 0.263 | -0.8 | 77 | 0.00 |
| 63 | | Azobenzene | 1.269 | 1.261 | 0.6 | 79 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 80 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.096 | 0.113 | -17.7 | 90 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.621 | 0.592 | 4.7 | 79 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.215 | 0.208 | 3.3 | 80 | 0.00 |
| 68 | | Hexachlorobenzene | 0.237 | 0.230 | 3.0 | 81 | 0.00 |
| 69 | | Atrazine | 0.174 | 0.159 | 8.6 | 70 | 0.00 |
| 70 | C | Pentachlorophenol | 0.120 | 0.124 | -3.3 | 77 | 0.00 |
| 71 | | Phenanthrene | 0.976 | 0.970 | 0.6 | 81 | 0.00 |
| 72 | | Anthracene | 0.974 | 0.959 | 1.5 | 80 | 0.00 |
| 73 | | Carbazole | 0.808 | 0.817 | -1.1 | 81 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.025 | 1.038 | -1.3 | 81 | 0.00 |
| 75 | C | Fluoranthene | 0.875 | 0.910 | -4.0 | 83 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 86 | 0.01 |
| 77 | | Benzidine | 0.160 | 0.037 | 76.9# | 99 | 0.00 |
| 78 | | Pyrene | 2.138 | 2.094 | 2.1 | 84 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.459 | 1.498 | -2.7 | 86 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.650 | 0.706 | -8.6 | 89 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.287 | 1.278 | 0.7 | 87 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.380 | 0.368 | 3.2 | 89 | 0.00 |
| 83 | | Chrysene | 1.253 | 1.227 | 2.1 | 87 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.816 | 0.821 | -0.6 | 85 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.428 | 1.325 | 7.2 | 81 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 81 | 0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.005 | 0.991 | 1.4 | 77 | 0.02 |
| 88 | | Benzo(b)fluoranthene | 1.097 | 1.103 | -0.5 | 85 | 0.01 |
| 89 | | Benzo(k)fluoranthene | 1.011 | 1.039 | -2.8 | 83 | 0.01 |
| 90 | C | Benzo(a)pyrene | 0.962 | 0.956 | 0.6 | 82 | 0.01 |
| 91 | | Dibenzo(a,h)anthracene | 0.811 | 0.790 | 2.6 | 74 | 0.02 |
| 92 | | Benzo(g,h,i)perylene | 0.794 | 0.805 | -1.4 | 78 | 0.02 |

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