# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF071020\
Data File : BF120828.D
Acq On : 10 Jul 2020 13:36
Operator : JU/CG
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jul 10 14:54:19 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 02 18:51:52 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 | 103 | 0.00 |
| 2 | | 1,4-Dioxane | 0.592 | 0.572 | 3.4 | 101 | 0.00 |
| 3 | | Pyridine | 1.621 | 1.538 | 5.1 | 97 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.811 | 0.734 | 9.5 | 94 | -0.01 |
| 5 | S | 2-Fluorophenol | 1.296 | 1.233 | 4.9 | 98 | 0.00 |
| 6 | | Aniline | 2.125 | 1.967 | 7.4 | 95 | 0.00 |
| 7 | S | Phenol-d6 | 1.655 | 1.550 | 6.3 | 97 | 0.00 |
| 8 | | 2-Chlorophenol | 1.379 | 1.319 | 4.4 | 97 | 0.00 |
| 9 | | Benzaldehyde | 0.984 | 0.817 | 17.0 | 95 | 0.00 |
| 10 | C | Phenol | 1.702 | 1.591 | 6.5 | 97 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.385 | 1.313 | 5.2 | 99 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.518 | 1.457 | 4.0 | 98 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.521 | 1.453 | 4.5 | 99 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.447 | 1.377 | 4.8 | 98 | 0.00 |
| 15 | | Benzyl Alcohol | 1.243 | 1.119 | 10.0 | 92 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.160 | 1.972 | 8.7 | 94 | 0.00 |
| 17 | | 2-Methylphenol | 1.234 | 1.143 | 7.4 | 96 | 0.00 |
| 18 | | Hexachloroethane | 0.572 | 0.546 | 4.5 | 98 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.996 | 0.875 | 12.1 | 92 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.520 | 1.418 | 6.7 | 95 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 22 | | Acetophenone | 0.497 | 0.476 | 4.2 | 95 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.345 | 0.360 | -4.3 | 100 | 0.00 |
| 24 | | Nitrobenzene | 0.388 | 0.396 | -2.1 | 98 | 0.00 |
| 25 | | Isophorone | 0.744 | 0.679 | 8.7 | 92 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.142 | 0.158 | -11.3 | 103 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.297 | 0.283 | 4.7 | 94 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.441 | 0.422 | 4.3 | 95 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.297 | 0.286 | 3.7 | 95 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.333 | 0.329 | 1.2 | 97 | 0.00 |
| 31 | | Naphthalene | 1.069 | 1.034 | 3.3 | 97 | 0.00 |
| 32 | | Benzoic acid | 0.161 | 0.179 | -11.2 | 89 | -0.01 |
| 33 | | 4-Chloroaniline | 0.454 | 0.426 | 6.2 | 94 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.200 | 0.200 | 0.0 | 97 | 0.00 |
| 35 | | Caprolactam | 0.086 | 0.077 | 10.5 | 88 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.309 | 0.285 | 7.8 | 90 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.695 | 0.660 | 5.0 | 93 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.651 | 0.615 | 5.5 | 93 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 96 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.604 | 0.620 | -2.6 | 95 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.357 | 0.351 | 1.7 | 87 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.201 | 0.204 | -1.5 | 91 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.412 | 0.399 | 3.2 | 90 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.457 | 0.456 | 0.2 | 92 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 45 | S | 2-Fluorobiphenyl | 1.322 | 1.311 | 0.8 | 94 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.613 | 1.605 | 0.5 | 93 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.292 | 1.287 | 0.4 | 94 | 0.00 |
| 48 | | 2-Nitroaniline | 0.346 | 0.390 | -12.7 | 100 | 0.00 |
| 49 | | Acenaphthylene | 2.026 | 1.930 | 4.7 | 92 | 0.00 |
| 50 | | Dimethylphthalate | 1.459 | 1.392 | 4.6 | 91 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.264 | 0.289 | -9.5 | 98 | 0.00 |
| 52 | C | Acenaphthene | 1.257 | 1.229 | 2.2 | 92 | 0.00 |
| 53 | | 3-Nitroaniline | 0.326 | 0.346 | -6.1 | 97 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.087 | 0.090 | -3.4 | 102 | 0.00 |
| 55 | | Dibenzofuran | 1.812 | 1.753 | 3.3 | 91 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.239 | 0.250 | -4.6 | 93 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.316 | 0.367 | -16.1 | 101 | 0.00 |
| 58 | | Fluorene | 1.349 | 1.313 | 2.7 | 92 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.340 | 0.327 | 3.8 | 89 | 0.00 |
| 60 | | Diethylphthalate | 1.520 | 1.419 | 6.6 | 89 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.678 | 0.668 | 1.5 | 93 | 0.00 |
| 62 | | 4-Nitroaniline | 0.310 | 0.329 | -6.1 | 96 | 0.00 |
| 63 | | Azobenzene | 1.555 | 1.444 | 7.1 | 90 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.064 | 0.079 | -23.4 | 99 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.670 | 0.688 | -2.7 | 90 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.232 | 0.236 | -1.7 | 88 | 0.00 |
| 68 | | Hexachlorobenzene | 0.243 | 0.249 | -2.5 | 88 | 0.00 |
| 69 | | Atrazine | 0.173 | 0.155 | 10.4 | 77 | 0.00 |
| 70 | C | Pentachlorophenol | 0.138 | 0.136 | 1.4 | 82 | 0.00 |
| 71 | | Phenanthrene | 1.085 | 1.091 | -0.6 | 89 | 0.00 |
| 72 | | Anthracene | 1.097 | 1.089 | 0.7 | 87 | 0.00 |
| 73 | | Carbazole | 1.054 | 1.036 | 1.7 | 87 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.305 | 1.231 | 5.7 | 82 | 0.00 |
| 75 | C | Fluoranthene | 1.156 | 1.107 | 4.2 | 85 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 77 | | Benzidine | 0.565 | 0.478 | 15.4 | 69 | 0.00 |
| 78 | | Pyrene | 1.597 | 1.570 | 1.7 | 85 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.022 | 1.025 | -0.3 | 89 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.690 | 0.626 | 9.3 | 76 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.282 | 1.288 | -0.5 | 86 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.433 | 0.399 | 7.9 | 77 | 0.00 |
| 83 | | Chrysene | 1.308 | 1.276 | 2.4 | 84 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.904 | 0.861 | 4.8 | 82 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.600 | 1.360 | 15.0 | 72 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 87 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.283 | 1.336 | -4.1 | 86 | 0.00 |

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|---|---|---|---|---|---|---|
| 88 | Benzo(b)fluoranthene | 1.315 | 1.288 | 2.1 | 80 | 0.00 |
| 89 | Benzo(k)fluoranthene | 1.279 | 1.311 | -2.5 | 83 | 0.00 |
| 90 C | Benzo(a)pyrene | 1.173 | 1.158 | 1.3 | 80 | 0.00 |
| 91 | Dibenzo(a,h)anthracene | 1.069 | 1.128 | -5.5 | 86 | 0.00 |
| 92 | Benzo(g,h,i)perylene | 0.977 | 1.036 | -6.0 | 88 | 0.00 |

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