# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061221\
Data File : BM030411.D
Acq On : 12 Jun 2021 12:46
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

**Instrument :** BNA_M
**LabSampleId :** SSTDCCC040

Quant Time: Jun 14 00:58:24 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060921.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 11 14:10:50 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 | 0.532 | 0.457 | 14.1 | 68 | 0.00 |
| 3 | | Pyridine | 1.358 | 1.289 | 5.1 | 74 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.689 | 0.578 | 16.1 | 66 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.230 | 1.140 | 7.3 | 73 | 0.00 |
| 6 | | Aniline | 2.032 | 1.899 | 6.5 | 74 | 0.00 |
| 7 | S | Phenol-d6 | 1.781 | 1.713 | 3.8 | 75 | 0.00 |
| 8 | | 2-Chlorophenol | 1.444 | 1.365 | 5.5 | 76 | 0.00 |
| 9 | | Benzaldehyde | 0.744 | 0.753 | -1.2 | 73 | 0.00 |
| 10 | C | Phenol | 1.799 | 1.672 | 7.1 | 74 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.418 | 1.270 | 10.4 | 72 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.591 | 1.452 | 8.7 | 74 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.621 | 1.471 | 9.3 | 74 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.577 | 1.445 | 8.4 | 74 | 0.00 |
| 15 | | Benzyl Alcohol | 1.250 | 1.182 | 5.4 | 74 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.281 | 1.834 | 19.6 | 64 | 0.00 |
| 17 | | 2-Methylphenol | 1.166 | 1.128 | 3.3 | 76 | 0.00 |
| 18 | | Hexachloroethane | 0.583 | 0.510 | 12.5 | 70 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.182 | 1.100 | 6.9 | 72 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.586 | 1.552 | 2.1 | 76 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 77 | 0.00 |
| 22 | | Acetophenone | 0.534 | 0.500 | 6.4 | 76 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.411 | 0.377 | 8.3 | 74 | 0.00 |
| 24 | | Nitrobenzene | 0.428 | 0.377 | 11.9 | 73 | 0.00 |
| 25 | | Isophorone | 0.787 | 0.712 | 9.5 | 73 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.164 | 0.180 | -9.8 | 84 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.305 | 0.285 | 6.6 | 76 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.447 | 0.388 | 13.2 | 72 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.341 | 0.339 | 0.6 | 81 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.390 | 0.369 | 5.4 | 80 | 0.00 |
| 31 | | Naphthalene | 1.165 | 1.053 | 9.6 | 77 | 0.00 |
| 32 | | Benzoic acid | 0.186 | 0.199 | -7.0 | 73 | 0.00 |
| 33 | | 4-Chloroaniline | 0.474 | 0.455 | 4.0 | 79 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.233 | 0.223 | 4.3 | 82 | 0.00 |
| 35 | | Caprolactam | 0.107 | 0.111 | -3.7 | 80 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.358 | 0.349 | 2.5 | 79 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.855 | 0.803 | 6.1 | 78 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.814 | 0.762 | 6.4 | 78 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 83 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.645 | 0.623 | 3.4 | 86 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.353 | 0.314 | 11.0 | 79 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.251 | 0.279 | -11.2 | 94 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.436 | 0.436 | 0.0 | 87 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.478 | 0.472 | 1.3 | 87 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.521 | 1.400 | 8.0 | 81 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.620 | 1.466 | 9.5 | 80 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.309 | 1.173 | 10.4 | 81 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.352 | 0.317 | 9.9 | 76 | 0.00 |
| 49 | | Acenaphthylene | 2.006 | 1.840 | 8.3 | 80 | 0.00 |
| 50 | | Dimethylphthalate | 1.592 | 1.449 | 9.0 | 81 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.351 | 0.336 | 4.3 | 83 | 0.00 |
| 52 | C | Acenaphthene | 1.281 | 1.136 | 11.3 | 80 | 0.00 |
| 53 | | 3-Nitroaniline | 0.348 | 0.337 | 3.2 | 82 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.192 | 0.193 | -0.5 | 89 | 0.00 |
| 55 | | Dibenzofuran | 2.038 | 1.858 | 8.8 | 83 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.298 | 0.290 | 2.7 | 83 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.434 | 0.469 | -8.1 | 88 | 0.00 |
| 58 | | Fluorene | 1.682 | 1.560 | 7.3 | 82 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.414 | 0.433 | -4.6 | 92 | 0.00 |
| 60 | | Diethylphthalate | 1.591 | 1.447 | 9.1 | 79 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.829 | 0.777 | 6.3 | 85 | 0.00 |
| 62 | | 4-Nitroaniline | 0.357 | 0.365 | -2.2 | 85 | 0.00 |
| 63 | | Azobenzene | 1.607 | 1.373 | 14.6 | 73 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 85 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.134 | 0.135 | -0.7 | 94 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.696 | 0.621 | 10.8 | 83 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.233 | 0.217 | 6.9 | 87 | 0.00 |
| 68 | | Hexachlorobenzene | 0.264 | 0.252 | 4.5 | 90 | 0.00 |
| 69 | | Atrazine | 0.186 | 0.209 | -12.4 | 87 | 0.00 |
| 70 | C | Pentachlorophenol | 0.155 | 0.165 | -6.5 | 93 | 0.00 |
| 71 | | Phenanthrene | 1.258 | 1.148 | 8.7 | 85 | 0.00 |
| 72 | | Anthracene | 1.222 | 1.139 | 6.8 | 85 | 0.00 |
| 73 | | Carbazole | 1.165 | 1.099 | 5.7 | 86 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.215 | 1.152 | 5.2 | 80 | 0.00 |
| 75 | C | Fluoranthene | 1.428 | 1.428 | 0.0 | 92 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 107 | 0.00 |
| 77 | | Benzidine | 0.354 | 0.467 | -31.9# | 107 | 0.00 |
| 78 | | Pyrene | 1.516 | 1.268 | 16.4 | 93 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.139 | 0.985 | 13.5 | 93 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.545 | 0.470 | 13.8 | 91 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.456 | 1.342 | 7.8 | 106 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.441 | 0.445 | -0.9 | 117 | 0.00 |
| 83 | | Chrysene | 1.415 | 1.303 | 7.9 | 106 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.819 | 0.721 | 12.0 | 92 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.280 | 1.221 | 4.6 | 102 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 134 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.521 | 1.446 | 4.9 | 140 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.514 | 1.362 | 10.0 | 124 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.478 | 1.277 | 13.6 | 126 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.339 | 1.235 | 7.8 | 131 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.312 | 1.242 | 5.3 | 139 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.248 | 1.173 | 6.0 | 140 | 0.01 |

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