# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011222\
Data File : BM033695.D
Acq On : 12 Jan 2022 12:45
Operator : CG/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jan 13 07:49:46 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM010522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 13 07:49:01 2022
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 | 87 | 0.00 |
| 2 | | 1,4-Dioxane | 0.568 | 0.501 | 11.8 | 77 | 0.00 |
| 3 | | Pyridine | 1.472 | 1.390 | 5.6 | 81 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.735 | 0.653 | 11.2 | 76 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.268 | 1.232 | 2.8 | 84 | 0.00 |
| 6 | | Aniline | 1.936 | 1.912 | 1.2 | 87 | 0.00 |
| 7 | S | Phenol-d6 | 1.709 | 1.665 | 2.6 | 85 | 0.00 |
| 8 | | 2-Chlorophenol | 1.387 | 1.378 | 0.6 | 88 | 0.00 |
| 9 | | Benzaldehyde | 1.216 | 0.982 | 19.2 | 80 | 0.00 |
| 10 | C | Phenol | 1.718 | 1.682 | 2.1 | 86 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.356 | 1.308 | 3.5 | 85 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.550 | 1.528 | 1.4 | 87 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.585 | 1.564 | 1.3 | 87 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.533 | 1.509 | 1.6 | 87 | 0.00 |
| 15 | | Benzyl Alcohol | 1.395 | 1.382 | 0.9 | 85 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 2.044 | 1.764 | 13.7 | 76 | 0.00 |
| 17 | | 2-Methylphenol | 1.186 | 1.190 | -0.3 | 88 | 0.00 |
| 18 | | Hexachloroethane | 0.601 | 0.583 | 3.0 | 84 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.117 | 1.109 | 0.7 | 87 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.621 | 1.656 | -2.2 | 88 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 91 | 0.00 |
| 22 | | Acetophenone | 0.536 | 0.522 | 2.6 | 88 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.433 | 0.413 | 4.6 | 86 | 0.00 |
| 24 | | Nitrobenzene | 0.412 | 0.387 | 6.1 | 86 | 0.00 |
| 25 | | Isophorone | 0.701 | 0.693 | 1.1 | 88 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.174 | 0.190 | -9.2 | 95 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.290 | 0.283 | 2.4 | 89 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.462 | 0.435 | 5.8 | 85 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.317 | 0.321 | -1.3 | 92 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.354 | 0.348 | 1.7 | 89 | 0.00 |
| 31 | | Naphthalene | 1.096 | 1.071 | 2.3 | 89 | 0.00 |
| 32 | | Benzoic acid | 0.204 | 0.245 | -20.1 | 102 | 0.00 |
| 33 | | 4-Chloroaniline | 0.433 | 0.436 | -0.7 | 92 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.231 | 0.229 | 0.9 | 88 | 0.00 |
| 35 | | Caprolactam | 0.088 | 0.105 | -19.3 | 110 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.368 | 0.377 | -2.4 | 94 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.741 | 0.731 | 1.3 | 91 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.720 | 0.714 | 0.8 | 91 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 99 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.632 | 0.610 | 3.5 | 94 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.398 | 0.380 | 4.5 | 90 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.209 | 0.241 | -15.3 | 115 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.412 | 0.422 | -2.4 | 99 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.436 | 0.453 | -3.9 | 102 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.527 | 1.443 | 5.5 | 93 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.634 | 1.551 | 5.1 | 93 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.227 | 1.182 | 3.7 | 94 | 0.00 |

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Max. RRF Dev : 25% Max. Rel. Area : 150%

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.385 | 0.385 | 0.0 | 95 | 0.00 |
| 49 | | Acenaphthylene | 1.914 | 1.871 | 2.2 | 95 | 0.00 |
| 50 | | Dimethylphthalate | 1.553 | 1.502 | 3.3 | 95 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.301 | 0.305 | -1.3 | 97 | 0.00 |
| 52 | C | Acenaphthene | 1.245 | 1.222 | 1.8 | 96 | 0.00 |
| 53 | | 3-Nitroaniline | 0.321 | 0.326 | -1.6 | 98 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.139 | 0.169 | -21.6 | 113 | 0.00 |
| 55 | | Dibenzofuran | 1.867 | 1.796 | 3.8 | 95 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.254 | 0.259 | -2.0 | 97 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.384 | 0.410 | -6.8 | 101 | 0.00 |
| 58 | | Fluorene | 1.430 | 1.381 | 3.4 | 96 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.368 | 0.378 | -2.7 | 101 | 0.00 |
| 60 | | Diethylphthalate | 1.599 | 1.516 | 5.2 | 93 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.738 | 0.725 | 1.8 | 98 | 0.00 |
| 62 | | 4-Nitroaniline | 0.313 | 0.322 | -2.9 | 97 | 0.00 |
| 63 | | Azobenzene | 1.581 | 1.445 | 8.6 | 90 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 100 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.110 | 0.128 | -16.4 | 108 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.676 | 0.662 | 2.1 | 97 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.221 | 0.232 | -5.0 | 107 | 0.00 |
| 68 | | Hexachlorobenzene | 0.252 | 0.250 | 0.8 | 99 | 0.00 |
| 69 | | Atrazine | 0.232 | 0.225 | 3.0 | 95 | 0.00 |
| 70 | C | Pentachlorophenol | 0.153 | 0.160 | -4.6 | 98 | 0.00 |
| 71 | | Phenanthrene | 1.144 | 1.101 | 3.8 | 96 | 0.00 |
| 72 | | Anthracene | 1.123 | 1.084 | 3.5 | 95 | 0.00 |
| 73 | | Carbazole | 1.058 | 1.011 | 4.4 | 93 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.366 | 1.268 | 7.2 | 90 | 0.00 |
| 75 | C | Fluoranthene | 1.201 | 1.119 | 6.8 | 90 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 88 | 0.00 |
| 77 | | Benzidine | 0.600 | 0.558 | 7.0 | 80 | 0.00 |
| 78 | | Pyrene | 1.408 | 1.435 | -1.9 | 90 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.111 | 1.128 | -1.5 | 90 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.629 | 0.637 | -1.3 | 85 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.356 | 1.319 | 2.7 | 85 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.481 | 0.508 | -5.6 | 89 | 0.00 |
| 83 | | Chrysene | 1.298 | 1.272 | 2.0 | 86 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.958 | 0.880 | 8.1 | 80 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.558 | 1.495 | 4.0 | 80 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 90 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.475 | 1.507 | -2.2 | 90 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.275 | 1.208 | 5.3 | 83 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.236 | 1.230 | 0.5 | 89 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.058 | 1.047 | 1.0 | 86 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.225 | 1.266 | -3.3 | 91 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.204 | 1.236 | -2.7 | 91 | 0.00 |

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