# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082324\
Data File : BM047326.D
Acq On : 23 Aug 2024 10:09
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Aug 23 11:18:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM081024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Aug 11 23:47:58 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 | 78 | -0.02 |
| 2 | | 1,4-Dioxane | 0.464 | 0.438 | 5.6 | 78 | 0.00 |
| 3 | | Pyridine | 1.360 | 1.213 | 10.8 | 73 | -0.01 |
| 4 | | n-Nitrosodimethylamine | 0.594 | 0.499 | 16.0 | 68 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.119 | 1.073 | 4.1 | 78 | -0.01 |
| 6 | | Aniline | 1.458 | 1.326 | 9.1 | 72 | -0.02 |
| 7 | S | Phenol-d6 | 1.542 | 1.417 | 8.1 | 75 | -0.02 |
| 8 | | 2-Chlorophenol | 1.221 | 1.177 | 3.6 | 78 | -0.02 |
| 9 | | Benzaldehyde | 0.904 | 0.820 | 9.3 | 82 | -0.02 |
| 10 | C | Phenol | 1.539 | 1.391 | 9.6 | 75 | -0.02 |
| 11 | | bis(2-Chloroethyl)ether | 1.318 | 1.199 | 9.0 | 73 | -0.02 |
| 12 | | 1,3-Dichlorobenzene | 1.451 | 1.446 | 0.3 | 80 | -0.02 |
| 13 | C | 1,4-Dichlorobenzene | 1.469 | 1.461 | 0.5 | 80 | -0.02 |
| 14 | | 1,2-Dichlorobenzene | 1.386 | 1.362 | 1.7 | 81 | -0.02 |
| 15 | | Benzyl Alcohol | 1.098 | 1.010 | 8.0 | 72 | -0.02 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.691 | 1.440 | 14.8 | 68 | -0.03 |
| 17 | | 2-Methylphenol | 1.027 | 0.979 | 4.7 | 76 | -0.02 |
| 18 | | Hexachloroethane | 0.569 | 0.544 | 4.4 | 77 | -0.03 |
| 19 | P | n-Nitroso-di-n-propylamine | 1.039 | 0.904 | 13.0 | 72 | -0.02 |
| 20 | | 3+4-Methylphenols | 1.435 | 1.342 | 6.5 | 74 | -0.02 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 73 | -0.03 |
| 22 | | Acetophenone | 0.483 | 0.477 | 1.2 | 75 | -0.02 |
| 23 | S | Nitrobenzene-d5 | 0.397 | 0.373 | 6.0 | 70 | -0.02 |
| 24 | | Nitrobenzene | 0.400 | 0.383 | 4.3 | 71 | -0.02 |
| 25 | | Isophorone | 0.692 | 0.694 | -0.3 | 73 | -0.02 |
| 26 | C | 2-Nitrophenol | 0.177 | 0.196 | -10.7 | 78 | -0.02 |
| 27 | | 2,4-Dimethylphenol | 0.207 | 0.217 | -4.8 | 75 | -0.02 |
| 28 | | bis(2-Chloroethoxy)methane | 0.435 | 0.427 | 1.8 | 71 | -0.02 |
| 29 | C | 2,4-Dichlorophenol | 0.308 | 0.340 | -10.4 | 79 | -0.02 |
| 30 | | 1,2,4-Trichlorobenzene | 0.348 | 0.382 | -9.8 | 80 | -0.02 |
| 31 | | Naphthalene | 0.996 | 1.001 | -0.5 | 75 | -0.02 |
| 32 | | Benzoic acid | 0.241 | 0.264 | -9.5 | 76 | -0.01 |
| 33 | | 4-Chloroaniline | 0.383 | 0.383 | 0.0 | 72 | -0.02 |
| 34 | C | Hexachlorobutadiene | 0.204 | 0.242 | -18.6 | 87 | -0.03 |
| 35 | | Caprolactam | 0.107 | 0.110 | -2.8 | 73 | -0.02 |
| 36 | C | 4-Chloro-3-methylphenol | 0.328 | 0.335 | -2.1 | 74 | -0.01 |
| 37 | | 2-Methylnaphthalene | 0.709 | 0.724 | -2.1 | 76 | -0.02 |
| 38 | | 1-Methylnaphthalene | 0.701 | 0.712 | -1.6 | 76 | -0.02 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 74 | -0.02 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.546 | 0.620 | -13.6 | 85 | -0.02 |
| 41 | P | Hexachlorocyclopentadiene | 0.190 | 0.199 | -4.7 | 74 | -0.02 |
| 42 | S | 2,4,6-Tribromophenol | 0.232 | 0.258 | -11.2 | 83 | -0.01 |
| 43 | C | 2,4,6-Trichlorophenol | 0.388 | 0.429 | -10.6 | 80 | -0.02 |
| 44 | | 2,4,5-Trichlorophenol | 0.430 | 0.482 | -12.1 | 82 | -0.01 |
| 45 | S | 2-Fluorobiphenyl | 1.297 | 1.340 | -3.3 | 79 | -0.02 |
| 46 | | 1,1'-Biphenyl | 1.424 | 1.436 | -0.8 | 77 | -0.02 |
| 47 | | 2-Chloronaphthalene | 1.113 | 1.110 | 0.3 | 77 | -0.02 |

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.349 | 0.333 | 4.6 | 69 | -0.02 |
| 49 | | Acenaphthylene | 1.640 | 1.651 | -0.7 | 76 | -0.02 |
| 50 | | Dimethylphthalate | 1.397 | 1.441 | -3.1 | 78 | -0.02 |
| 51 | | 2,6-Dinitrotoluene | 0.327 | 0.341 | -4.3 | 77 | -0.01 |
| 52 | C | Acenaphthene | 1.041 | 1.042 | -0.1 | 77 | -0.02 |
| 53 | | 3-Nitroaniline | 0.327 | 0.328 | -0.3 | 74 | -0.02 |
| 54 | P | 2,4-Dinitrophenol | 0.196 | 0.216 | -10.2 | 78 | 0.00 |
| 55 | | Dibenzofuran | 1.644 | 1.659 | -0.9 | 78 | -0.02 |
| 56 | P | 4-Nitrophenol | 0.282 | 0.263 | 6.7 | 66 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.436 | 0.457 | -4.8 | 77 | -0.01 |
| 58 | | Fluorene | 1.356 | 1.378 | -1.6 | 78 | -0.02 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.354 | 0.394 | -11.3 | 82 | -0.01 |
| 60 | | Diethylphthalate | 1.426 | 1.441 | -1.1 | 77 | -0.02 |
| 61 | | 4-Chlorophenyl-phenylether | 0.646 | 0.689 | -6.7 | 82 | -0.02 |
| 62 | | 4-Nitroaniline | 0.322 | 0.317 | 1.6 | 74 | -0.02 |
| 63 | | Azobenzene | 1.352 | 1.241 | 8.2 | 70 | -0.02 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 77 | -0.02 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.117 | 0.136 | -16.2 | 83 | -0.01 |
| 66 | c | n-Nitrosodiphenylamine | 0.545 | 0.546 | -0.2 | 78 | -0.02 |
| 67 | | 4-Bromophenyl-phenylether | 0.193 | 0.208 | -7.8 | 84 | -0.02 |
| 68 | | Hexachlorobenzene | 0.231 | 0.245 | -6.1 | 82 | -0.02 |
| 69 | | Atrazine | 0.164 | 0.186 | -13.4 | 84 | -0.02 |
| 70 | C | Pentachlorophenol | 0.162 | 0.175 | -8.0 | 80 | -0.01 |
| 71 | | Phenanthrene | 1.004 | 0.989 | 1.5 | 78 | -0.02 |
| 72 | | Anthracene | 0.977 | 0.985 | -0.8 | 79 | -0.02 |
| 73 | | Carbazole | 0.997 | 0.978 | 1.9 | 77 | -0.02 |
| 74 | | Di-n-butylphthalate | 1.160 | 1.178 | -1.6 | 77 | -0.02 |
| 75 | C | Fluoranthene | 1.221 | 1.245 | -2.0 | 80 | -0.01 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 77 | -0.01 |
| 77 | | Benzidine | 0.339 | 0.607 | -79.1# | 95 | -0.01 |
| 78 | | Pyrene | 1.428 | 1.469 | -2.9 | 79 | -0.02 |
| 79 | S | Terphenyl-d14 | 0.933 | 1.080 | -15.8 | 88 | -0.02 |
| 80 | | Butylbenzylphthalate | 0.583 | 0.622 | -6.7 | 78 | -0.01 |
| 81 | | Benzo(a)anthracene | 1.328 | 1.336 | -0.6 | 79 | -0.01 |
| 82 | | 3,3'-Dichlorobenzidine | 0.415 | 0.480 | -15.7 | 83 | -0.01 |
| 83 | | Chrysene | 1.260 | 1.244 | 1.3 | 78 | -0.01 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.826 | 0.866 | -4.8 | 79 | -0.02 |
| 85 | c | Di-n-octyl phthalate | 1.405 | 1.535 | -9.3 | 81 | -0.02 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 71 | -0.02 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.293 | 1.194 | 7.7 | 66 | -0.02 |
| 88 | | Benzo(b)fluoranthene | 1.188 | 1.221 | -2.8 | 75 | -0.02 |
| 89 | | Benzo(k)fluoranthene | 1.122 | 1.146 | -2.1 | 74 | -0.02 |
| 90 | C | Benzo(a)pyrene | 1.029 | 1.049 | -1.9 | 73 | -0.02 |
| 91 | | Dibenzo(a,h)anthracene | 1.046 | 0.968 | 7.5 | 67 | -0.04 |
| 92 | | Benzo(g,h,i)perylene | 1.086 | 0.983 | 9.5 | 65 | -0.04 |

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