# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060925\
Data File : BM050262.D
Acq On : 10 Jun 2025 04:48
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Jun 10 05:44:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 09 11:54:38 2025
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 | 149 | 0.00 |
| 2 | | 1,4-Dioxane | 0.526 | 0.542 | -3.0 | 169# | 0.00 |
| 3 | | Pyridine | 1.361 | 1.448 | -6.4 | 165# | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.281 | 0.305 | -8.5 | 168# | 0.00 |
| 5 | S | 2-Fluorophenol | 1.199 | 1.232 | -2.8 | 160# | 0.00 |
| 6 | | Aniline | 2.086 | 2.092 | -0.3 | 151# | 0.00 |
| 7 | S | Phenol-d6 | 1.578 | 1.600 | -1.4 | 153# | 0.00 |
| 8 | | 2-Chlorophenol | 1.319 | 1.338 | -1.4 | 154# | 0.00 |
| 9 | | Benzaldehyde | 1.003 | 0.967 | 3.6 | 164# | 0.00 |
| 10 | C | Phenol | 1.670 | 1.704 | -2.0 | 155# | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.343 | 1.373 | -2.2 | 156# | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.474 | 1.439 | 2.4 | 152# | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.534 | 1.485 | 3.2 | 153# | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.462 | 1.430 | 2.2 | 152# | 0.00 |
| 15 | | Benzyl Alcohol | 1.126 | 1.143 | -1.5 | 150 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 0.933 | 1.118 | -19.8 | 183# | 0.00 |
| 17 | | 2-Methylphenol | 1.102 | 1.105 | -0.3 | 149 | 0.00 |
| 18 | | Hexachloroethane | 0.556 | 0.579 | -4.1 | 162# | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.966 | 1.010 | -4.6 | 151# | 0.00 |
| 20 | | 3+4-Methylphenols | 1.474 | 1.472 | 0.1 | 146 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 143 | 0.00 |
| 22 | | Acetophenone | 0.500 | 0.498 | 0.4 | 149 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.385 | 0.405 | -5.2 | 153# | 0.00 |
| 24 | | Nitrobenzene | 0.350 | 0.366 | -4.6 | 154# | 0.00 |
| 25 | | Isophorone | 0.664 | 0.664 | 0.0 | 144 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.151 | 0.156 | -3.3 | 143 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.310 | 0.307 | 1.0 | 144 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.434 | 0.449 | -3.5 | 150 | 0.00 |
| 29 | C | 2,4-Dichlorophenol | 0.287 | 0.284 | 1.0 | 141 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.319 | 0.312 | 2.2 | 146 | 0.00 |
| 31 | | Naphthalene | 1.034 | 1.006 | 2.7 | 147 | 0.00 |
| 32 | | Benzoic acid | 0.195 | 0.151 | 22.6 | 105 | 0.00 |
| 33 | | 4-Chloroaniline | 0.441 | 0.433 | 1.8 | 143 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.190 | 0.181 | 4.7 | 142 | 0.00 |
| 35 | | Caprolactam | 0.091 | 0.088 | 3.3 | 129 | 0.01 |
| 36 | C | 4-Chloro-3-methylphenol | 0.306 | 0.302 | 1.3 | 138 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.624 | 0.605 | 3.0 | 140 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.662 | 0.644 | 2.7 | 141 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 131 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.578 | 0.570 | 1.4 | 138 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.351 | 0.358 | -2.0 | 137 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.227 | 0.228 | -0.4 | 129 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.380 | 0.384 | -1.1 | 134 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.417 | 0.418 | -0.2 | 132 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.477 | 1.442 | 2.4 | 137 | 0.00 |
| 46 | | 1,1'-Biphenyl | 1.498 | 1.476 | 1.5 | 138 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.164 | 1.145 | 1.6 | 138 | 0.00 |

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| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.256 | 0.296 | -15.6 | 144 | 0.00 |
| 49 | | Acenaphthylene | 1.883 | 1.863 | 1.1 | 134 | 0.00 |
| 50 | | Dimethylphthalate | 1.353 | 1.338 | 1.1 | 130 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.273 | 0.287 | -5.1 | 130 | 0.00 |
| 52 | C | Acenaphthene | 1.178 | 1.097 | 6.9 | 127 | 0.00 |
| 53 | | 3-Nitroaniline | 0.304 | 0.322 | -5.9 | 130 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.146 | 0.058 | 60.3# | 50# | 0.00 |
| 55 | | Dibenzofuran | 1.723 | 1.686 | 2.1 | 133 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.259 | 0.266 | -2.7 | 127 | 0.00 |
| 57 | | 2,4-Dinitrotoluene | 0.360 | 0.377 | -4.7 | 125 | 0.00 |
| 58 | | Fluorene | 1.320 | 1.281 | 3.0 | 132 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.361 | 0.354 | 1.9 | 127 | 0.00 |
| 60 | | Diethylphthalate | 1.342 | 1.344 | -0.1 | 131 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.638 | 0.622 | 2.5 | 133 | 0.00 |
| 62 | | 4-Nitroaniline | 0.285 | 0.303 | -6.3 | 129 | 0.00 |
| 63 | | Azobenzene | 1.341 | 1.381 | -3.0 | 138 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 123 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.109 | 0.068 | 37.6# | 75 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.628 | 0.624 | 0.6 | 129 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.213 | 0.212 | 0.5 | 128 | 0.00 |
| 68 | | Hexachlorobenzene | 0.249 | 0.248 | 0.4 | 129 | 0.00 |
| 69 | | Atrazine | 0.200 | 0.207 | -3.5 | 124 | 0.00 |
| 70 | C | Pentachlorophenol | 0.162 | 0.224 | -38.3# | 169# | 0.00 |
| 71 | | Phenanthrene | 1.143 | 1.117 | 2.3 | 128 | 0.00 |
| 72 | | Anthracene | 1.143 | 1.125 | 1.6 | 128 | 0.00 |
| 73 | | Carbazole | 1.041 | 1.038 | 0.3 | 127 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.133 | 1.226 | -8.2 | 130 | 0.00 |
| 75 | C | Fluoranthene | 1.205 | 1.223 | -1.5 | 128 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 133 | 0.00 |
| 77 | | Benzidine | 0.562 | 0.630 | -12.1 | 135 | 0.00 |
| 78 | | Pyrene | 1.348 | 1.288 | 4.5 | 129 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.055 | 1.019 | 3.4 | 134 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.450 | 0.493 | -9.6 | 133 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.266 | 1.246 | 1.6 | 136 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.386 | 0.426 | -10.4 | 136 | 0.00 |
| 83 | | Chrysene | 1.204 | 1.189 | 1.2 | 137 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.693 | 0.784 | -13.1 | 140 | -0.01 |
| 85 | c | Di-n-octyl phthalate | 1.028 | 1.197 | -16.4 | 142 | -0.01 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 148 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.288 | 1.368 | -6.2 | 170# | -0.01 |
| 88 | | Benzo(b)fluoranthene | 1.163 | 1.171 | -0.7 | 148 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.187 | 1.165 | 1.9 | 148 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.093 | 1.115 | -2.0 | 153# | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.045 | 1.119 | -7.1 | 171# | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.046 | 1.121 | -7.2 | 174# | -0.01 |

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|---|---|---|---|---|

(#) = Out of Range SPCC's out = 0 CCC's out = 1