# Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041525\
Data File : BM049927.D
Acq On : 15 Apr 2025 09:57
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

Quant Time: Apr 15 11:52:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040825.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 09 04:00:55 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 | 121 | 0.00 |
| 2 | | 1,4-Dioxane | 0.485 | 0.450 | 7.2 | 111 | 0.00 |
| 3 | | Pyridine | 1.274 | 1.175 | 7.8 | 110 | 0.00 |
| 4 | | n-Nitrosodimethylamine | 0.485 | 0.459 | 5.4 | 114 | 0.00 |
| 5 | S | 2-Fluorophenol | 1.178 | 1.113 | 5.5 | 113 | 0.00 |
| 6 | | Aniline | 1.256 | 1.107 | 11.9 | 101 | 0.00 |
| 7 | S | Phenol-d6 | 1.465 | 1.404 | 4.2 | 114 | 0.00 |
| 8 | | 2-Chlorophenol | 1.207 | 1.151 | 4.6 | 114 | 0.00 |
| 9 | | Benzaldehyde | 0.752 | 1.569 | -108.6# | 253# | 0.00 |
| 10 | C | Phenol | 1.430 | 1.355 | 5.2 | 114 | 0.00 |
| 11 | | bis(2-Chloroethyl)ether | 1.121 | 1.138 | -1.5 | 121 | 0.00 |
| 12 | | 1,3-Dichlorobenzene | 1.427 | 1.350 | 5.4 | 114 | 0.00 |
| 13 | C | 1,4-Dichlorobenzene | 1.436 | 1.364 | 5.0 | 114 | 0.00 |
| 14 | | 1,2-Dichlorobenzene | 1.352 | 1.293 | 4.4 | 114 | -0.01 |
| 15 | | Benzyl Alcohol | 0.923 | 0.869 | 5.9 | 110 | 0.00 |
| 16 | | 2,2'-oxybis(1-Chloropropane | 1.250 | 1.224 | 2.1 | 117 | -0.01 |
| 17 | | 2-Methylphenol | 0.881 | 0.849 | 3.6 | 115 | 0.00 |
| 18 | | Hexachloroethane | 0.500 | 0.468 | 6.4 | 112 | 0.00 |
| 19 | P | n-Nitroso-di-n-propylamine | 0.812 | 0.805 | 0.9 | 117 | 0.00 |
| 20 | | 3+4-Methylphenols | 1.201 | 1.159 | 3.5 | 115 | 0.00 |
| 21 | I | Naphthalene-d8 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 22 | | Acetophenone | 0.486 | 0.469 | 3.5 | 115 | 0.00 |
| 23 | S | Nitrobenzene-d5 | 0.359 | 0.348 | 3.1 | 116 | 0.00 |
| 24 | | Nitrobenzene | 0.346 | 0.334 | 3.5 | 114 | 0.00 |
| 25 | | Isophorone | 0.602 | 0.597 | 0.8 | 119 | 0.00 |
| 26 | C | 2-Nitrophenol | 0.183 | 0.183 | 0.0 | 118 | 0.00 |
| 27 | | 2,4-Dimethylphenol | 0.208 | 0.204 | 1.9 | 117 | 0.00 |
| 28 | | bis(2-Chloroethoxy)methane | 0.403 | 0.395 | 2.0 | 118 | -0.01 |
| 29 | C | 2,4-Dichlorophenol | 0.345 | 0.337 | 2.3 | 117 | 0.00 |
| 30 | | 1,2,4-Trichlorobenzene | 0.399 | 0.386 | 3.3 | 117 | 0.00 |
| 31 | | Naphthalene | 1.028 | 0.987 | 4.0 | 116 | 0.00 |
| 32 | | Benzoic acid | 0.220 | 0.205 | 6.8 | 109 | 0.02 |
| 33 | | 4-Chloroaniline | 0.363 | 0.338 | 6.9 | 109 | 0.00 |
| 34 | C | Hexachlorobutadiene | 0.247 | 0.244 | 1.2 | 120 | -0.01 |
| 35 | | Caprolactam | 0.099 | 0.094 | 5.1 | 113 | 0.00 |
| 36 | C | 4-Chloro-3-methylphenol | 0.302 | 0.299 | 1.0 | 118 | 0.00 |
| 37 | | 2-Methylnaphthalene | 0.724 | 0.708 | 2.2 | 118 | 0.00 |
| 38 | | 1-Methylnaphthalene | 0.705 | 0.688 | 2.4 | 118 | 0.00 |
| 39 | I | Acenaphthene-d10 | 1.000 | 1.000 | 0.0 | 127 | 0.00 |
| 40 | | 1,2,4,5-Tetrachlorobenzene | 0.700 | 0.676 | 3.4 | 122 | 0.00 |
| 41 | P | Hexachlorocyclopentadiene | 0.245 | 0.219 | 10.6 | 105 | 0.00 |
| 42 | S | 2,4,6-Tribromophenol | 0.291 | 0.287 | 1.4 | 124 | 0.00 |
| 43 | C | 2,4,6-Trichlorophenol | 0.445 | 0.435 | 2.2 | 120 | 0.00 |
| 44 | | 2,4,5-Trichlorophenol | 0.484 | 0.469 | 3.1 | 119 | 0.00 |
| 45 | S | 2-Fluorobiphenyl | 1.475 | 1.430 | 3.1 | 120 | -0.01 |
| 46 | | 1,1'-Biphenyl | 1.487 | 1.429 | 3.9 | 119 | 0.00 |
| 47 | | 2-Chloronaphthalene | 1.169 | 1.113 | 4.8 | 118 | 0.00 |

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

| | | Compound | AvgRF | CCRF | %Dev | Area% | Dev(min) |
|---|---|---|---|---|---|---|---|
| 48 | | 2-Nitroaniline | 0.270 | 0.271 | -0.4 | 122 | 0.00 |
| 49 | | Acenaphthylene | 1.702 | 1.643 | 3.5 | 120 | 0.00 |
| 50 | | Dimethylphthalate | 1.411 | 1.382 | 2.1 | 122 | 0.00 |
| 51 | | 2,6-Dinitrotoluene | 0.296 | 0.295 | 0.3 | 121 | 0.00 |
| 52 | C | Acenaphthene | 1.083 | 1.034 | 4.5 | 118 | 0.00 |
| 53 | | 3-Nitroaniline | 0.286 | 0.273 | 4.5 | 112 | 0.00 |
| 54 | P | 2,4-Dinitrophenol | 0.175 | 0.167 | 4.6 | 115 | 0.00 |
| 55 | | Dibenzofuran | 1.810 | 1.748 | 3.4 | 120 | 0.00 |
| 56 | P | 4-Nitrophenol | 0.255 | 0.236 | 7.5 | 111 | 0.02 |
| 57 | | 2,4-Dinitrotoluene | 0.394 | 0.403 | -2.3 | 122 | 0.00 |
| 58 | | Fluorene | 1.439 | 1.395 | 3.1 | 120 | 0.00 |
| 59 | | 2,3,4,6-Tetrachlorophenol | 0.424 | 0.406 | 4.2 | 121 | 0.00 |
| 60 | | Diethylphthalate | 1.353 | 1.324 | 2.1 | 121 | 0.00 |
| 61 | | 4-Chlorophenyl-phenylether | 0.771 | 0.765 | 0.8 | 123 | -0.01 |
| 62 | | 4-Nitroaniline | 0.295 | 0.282 | 4.4 | 112 | 0.00 |
| 63 | | Azobenzene | 1.158 | 1.120 | 3.3 | 118 | 0.00 |
| 64 | I | Phenanthrene-d10 | 1.000 | 1.000 | 0.0 | 128 | 0.00 |
| 65 | | 4,6-Dinitro-2-methylphenol | 0.126 | 0.120 | 4.8 | 117 | 0.00 |
| 66 | c | n-Nitrosodiphenylamine | 0.599 | 0.577 | 3.7 | 120 | 0.00 |
| 67 | | 4-Bromophenyl-phenylether | 0.232 | 0.230 | 0.9 | 124 | 0.00 |
| 68 | | Hexachlorobenzene | 0.266 | 0.262 | 1.5 | 123 | 0.00 |
| 69 | | Atrazine | 0.155 | 0.180 | -16.1 | 178# | 0.00 |
| 70 | C | Pentachlorophenol | 0.196 | 0.176 | 10.2 | 111 | 0.00 |
| 71 | | Phenanthrene | 1.096 | 1.055 | 3.7 | 119 | 0.00 |
| 72 | | Anthracene | 1.081 | 1.042 | 3.6 | 119 | 0.00 |
| 73 | | Carbazole | 1.018 | 0.962 | 5.5 | 117 | 0.00 |
| 74 | | Di-n-butylphthalate | 1.172 | 1.146 | 2.2 | 121 | 0.00 |
| 75 | C | Fluoranthene | 1.348 | 1.295 | 3.9 | 120 | 0.00 |
| 76 | I | Chrysene-d12 | 1.000 | 1.000 | 0.0 | 122 | 0.00 |
| 77 | | Benzidine | 0.265 | 0.274 | -3.4 | 83 | 0.00 |
| 78 | | Pyrene | 1.378 | 1.391 | -0.9 | 121 | 0.00 |
| 79 | S | Terphenyl-d14 | 1.067 | 1.170 | -9.7 | 120 | 0.00 |
| 80 | | Butylbenzylphthalate | 0.518 | 0.520 | -0.4 | 118 | 0.00 |
| 81 | | Benzo(a)anthracene | 1.329 | 1.293 | 2.7 | 116 | 0.00 |
| 82 | | 3,3'-Dichlorobenzidine | 0.502 | 0.466 | 7.2 | 108 | 0.00 |
| 83 | | Chrysene | 1.264 | 1.216 | 3.8 | 115 | 0.00 |
| 84 | | Bis(2-ethylhexyl)phthalate | 0.755 | 0.754 | 0.1 | 118 | 0.00 |
| 85 | c | Di-n-octyl phthalate | 1.320 | 1.277 | 3.3 | 115 | 0.00 |
| 86 | I | Perylene-d12 | 1.000 | 1.000 | 0.0 | 119 | 0.00 |
| 87 | | Indeno(1,2,3-cd)pyrene | 1.491 | 1.392 | 6.6 | 110 | 0.00 |
| 88 | | Benzo(b)fluoranthene | 1.277 | 1.231 | 3.6 | 111 | 0.00 |
| 89 | | Benzo(k)fluoranthene | 1.238 | 1.195 | 3.5 | 114 | 0.00 |
| 90 | C | Benzo(a)pyrene | 1.122 | 1.078 | 3.9 | 113 | 0.00 |
| 91 | | Dibenzo(a,h)anthracene | 1.228 | 1.149 | 6.4 | 109 | 0.00 |
| 92 | | Benzo(g,h,i)perylene | 1.255 | 1.160 | 7.6 | 109 | 0.00 |

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